HIGH PERFORMANCE

GM LS

EDITION



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2015



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HIGH PERFORMANCE GM LS EDITION

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The General Motors LS series of engines debuted in 1997 with the C5 Corvette as the all aluminum LS1 V8. It was known as the Gen III small-block V8. One year later (1998), the LS1 replaced the LT1 small-block in both Camaros and Firebirds. This was followed by the iron-block version of the Gen III V8 being used in full size trucks and SUVs. The LS1 displaced 5.7 liters, similar to the previous-generation small-block, but the cubic-inch measurementwas slightly different: 346 for the LS1 vs. the traditional 350 cubes.

By 1999, the Gen III platform spawned the higher performance LS6 standard in the Corvette Z06. It wasn't until 2005 that the Gen IV branch of the LS family was born, different from the Gen III because of cast-in provisions for fuel-saving cylinder deactivation, larger displacements and revised camshaft sensing. The performance versions of the Gen IV include the LS2, LS3, LS9 supercharged, LSA supercharged and the LS7.

General Motors continues to refer its modern V-8 engine family as Gen III and Gen IV, but to enthusiasts who quickly grasped the tremendous performance potential of the engines, every engine based on the platform has been nicknamed "LSX." The range of production engines from the LS platform is pretty wide.

Car engines include 5.3L, 5.7L, 6.0L, 6.2L and 7.0L displacements - including some configured for front-wheel-drive.

On the truck side, iron-block engines have included 4.8L and 5.3L versions, as well as all-aluminum 6.0L and 6.2L premium engines.

ENGINETECH, INC.
1205 W CROSBY RD. • CARROLLTON, TX 75006
1-800-869-8711 • FAX: 972-245-2093
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GM LS ENGINE APPLICATION GUIDE

LS1

DISPLACEMENT:	346 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree cathedral port
BORE/STROKE:	3.900 x 3.622
COMPRESSION:	10:1
CAMSHAFT ('01+ F-body):	196/207 @ 0.050; 0.467/0.479; 116
OUTPUT:	305-350 hp and 335 375 lb-ft
WHAT IT'S IN:	'98-02 F-body, '97-04 Corvette, '04 GTO
GMPP PN:	17801267

LS2

DISPLACEMENT:	364 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree cathedral port
BORE/STROKE:	4.000 x 3.622
COMPRESSION:	10.9:1
CAMSHAFT:	204/211 @ 0.050; 0.525/0.525; 116
OUTPUT:	400 hp and 400 lb-ft
WHAT IT'S IN:	'05-07 Corvette, '05-06 SSR and GTO, '06-07 CTS-V, '06¬09 Trailblazer SS
GMPP PN:	19156261

LS3/L92/L99

DISPLACEMENT:	376 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree rectangle port
BORE/STROKE:	4.065 x 3.622
COMPRESSION:	10.7:1
CAMSHAFT (LS3):	204/211 @ 0.050; 0.551/0.525; 116
OUTPUT:	400-430 hp and 410-428 lb-ft
WHAT IT'S IN:	'08+ Corvette, '10 Camaro , '08+ G8 GTP (LS3), '07+ Escalade, Tahoe, Silverado, Yukon, Sierra, Hummer H2 (L92), '10 Camaro automatic (L99)
GMPP PN (LS3):	19201992

LS4

DISPLACEMENT: 325 ci	376 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree cathedral port
BORE/STROKE:	3.780 x 3.622
COMPRESSION: 10:1	10.7:1
OUTPUT:	290-303 hp and 325 lb-ft
WHAT IT'S IN:	'06+ Impala SS, '06-07 Monte Carlo SS, '05-08 Grand Prix GXP, '08+ LaCrosse

LS6

DISPLACEMENT:	346 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree cathedral port
BORE/STROKE:	3.900 x 3.622
COMPRESSION:	10.5:1
CAMSHAFT ('01):	204/211 @ 0.050; 0.525/0.525; 116
CAMSHAFT ('02+):	204/218 @ 0.050; 0.555/0.551; 117.5
OUTPUT:	385-405 hp and 385-400 lb-ft
WHAT IT'S IN:	'01-04 Corvette Z06, '04-05 CTS-V
GMPP PN:	17801268

LS7

DISPLACEMENT:	427 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 12-degree rectangle port
BORE/STROKE:	4.125 x 4.000
COMPRESSION:	11:1
CAMSHAFT:	211/230 @ 0.050; 0.591/0.591; 120.5
OUTPUT:	505 hp and 470 lb-ft
WHAT IT'S IN:	'06+ Corvette Z06
GMPP PN:	7802397

GM LS ENGINE APPLICATION GUIDE

LS9

DISPLACEMENT:	376 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree rectangle port
BORE/STROKE:	4.065 x 3.622
COMPRESSION:	9.1:1
CAMSHAFT:	211/230 @ 0.050; 0.562/0.558; 122.5
OUTPUT:	638 hp and 604 lb-ft
WHAT IT'S IN:	'09+ Corvette ZR1
GMPP PN:	19201990

LSQ4/LQ9

DISPLACEMENT:	364 ci
BLOCK:	Cast iron
HEADS:	Aluminum or iron 15-degree cathedral port
BORE/STROKE:	4.000 x 3.622
COMPRESSION:	9.4:1-10:1
CAMSHAFT	191/190 @ 0.050; 0.457/.0.466;
('99-00 LQ4):	114
CAMSHAFT	196/207 @ 0.050; 0.467/0.479; 116
('01-04 LQ4 and LQ9):	'01-04 Corvette Z06, '04-05 CTS-V
OUTPUT:	300-347 hp and 360-380 lb-ft
WHAT IT'S IN:	'99-04 Silverado, Suburban, Yukon, and Hummer H2 (LQ4); '02-06 Escalade, '03-07 Silverado SS and Sierra (LQ9)
GMPP PN (LQ9):	19156262

LY6

DISPLACEMENT:	364 ci
BLOCK:	Cast iron
HEADS:	Aluminum 15-degree rectangle port
BORE/STROKE:	4.000 x 3.622
COMPRESSION:	9.67:1
OUTPUT:	352 hp and 382 lb-ft
WHAT IT'S IN:	3/4-ton '07+ Silverado, Sierra, Suburban, and Yukon

LSA

DISPLACEMENT:	376 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree rectangle port
BORE/STROKE:	4.065 x 3.622
COMPRESSION:	9.1:1
OUTPUT:	556 hp and 551 lb-ft
WHAT IT'S IN:	'09+ CTS-V
WHAT IT'S IN:	'09+ Corvette ZR1
GMPP PN:	19201990

L76

DISPLACEMENT:	364 ci
BLOCK:	Cast aluminum
HEADS:	Aluminum 15-degree rectangle port
BORE/STROKE:	4.000 x 3.622
COMPRESSION:	10.4:1
OUTPUT:	366 hp and 376 lb-ft (trucks); 361 hp and 385 lb-ft (cars)
WHAT IT'S IN:	'07+ Silverado, Sierra, Suburban, Yukon, Avalanche, and G8 GT

VORTEC 4800

DISPLACEMENT:	293 ci
BLOCK:	Cast iron or aluminum
HEADS:	Iron or aluminum 15-degree cathedral port
BORE/STROKE:	3.780 x 3.267
COMPRESSION:	9.5:1
OUTPUT:	270-295 hp and 285-305 lb-ft
WHAT IT'S IN:	'99-06 Silverado, Tahoe, Yukon, and Sierra (LR4); '07+ Silverado, Tahoe, Yukon, and Sierra (LY2)

VORTEC 5300

DISPLACEMENT:	325 ci
BLOCK:	Cast iron or aluminum
HEADS:	Iron or aluminum 15-degree cathedral port
BORE/STROKE:	3.780 x 3.622
COMPRESSION:	9.5-10:1
OUTPUT:	285-320 hp and 325-340 lb-ft
WHAT IT'S IN:	'99+ mid/fullsize trucks and SUVs
GMPP PN:	19165628

BIG MOUTH THROTTLE BODIES™

When it comes to improving performance, increased airflow is a key ingredient. Available in 92mm or 102mm diameters, the Big Mouth Throttle Body™ increases airflow through a series of innovative design changes and slightly enlarged throttle opening. Significant testing and engineering was conducted to optimize cross-sectional flow and eliminate airflow turbulence, especially at part-throttle operation.

The throttle blade's increased thickness eliminates deflection, especially in boosted applications. To improve throttle response, the blade pivot is offset, while the beefed up linkage and dual throttle spring mechanism ensure total throttle control.



Performance Material

- New throttle body designed to work in conjunction with the new FAST™ LSX™ 92mm & LSXR™ 102mm Intake Manifolds
- Better airflow than OEM or aftermarket 90mm units due to enlarged throttle opening & modified internal design
- Dual spring mechanism & beefed up linkage for total throttle control
- Increased thickness of both the throttle blade & the shaft resists deflection, especially in boosted applications
- Offset blade pivot allows for smoother operations & significantly improves throttle response

BIG MOUTH THROTTLE BODIES	
54102	102mm Big Mouth Throttle Body
54103	Cath. .090 3.34 x 1.190 97-04 Gen III/IV LS1
54020	Rect. .045 thick 2.7 x 1.35 08-10 L92
54092	Rect. .060 thick 2.7 x 1.35 08-10 L92
54095	Stock Port .045 thick LS7

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FAST™

FUEL AIR SPARK TECHNOLOGY

LSX™ 92MM MANIFOLD

The patented FAST™ LSX™ 92mm Intake Manifold is a three-piece Gen III composite manifold proven to deliver increased performance without compromising bottom-end drivability or high rpm power. For both street and racing GM Gen III (LS1, -2 & -6) applications, this intake manifold is a bolt-on installation and is designed to work with the FAST™ Big Mouth 92mm Throttle Body™.

The FAST™ LSX™ 92mm Intake Manifold maintains the performance gains achieved over stock intake manifolds with no loss in drivability or low rpm torque. While it delivers terrific performance right out of the box, it can be ported for even more flow. The intake features the added benefits of corrosion-free stainless steel assembly bolts, an improved throttle body sealing flange and o-ring gasket and threaded insert throttle body mounts that provide increased durability.

Performance Material

- Increases horsepower over stock manifold with no loss of drivability or low rpm torque
- Incorporates high-quality polymer materials which resist heat sink effect of aluminum
- Maximizes potential of other popular engine performance upgrades such as cylinder heads



LSX™ 92MM INTAKE MANIFOLD	
54039B	LSX™ 92mm Intake Manifold (LS1, -2 & 6)
LSX™ 92MM INTAKE COMPONENTS	
54040	LSX™ 92mm Upper Shell (Rev J) (LS1, -2 & 6)
54035	LSX™ 92mm Lower Shell (Rev J) (LS1, -2 & 6)
54007	LSX™ 92mm Middle Shell (LS1, -2 & 6)
54036	LSX™ 92mm Middle Shell (Rev J) (LS1, -2 & 6)

LSXRT™ 102MM MANIFOLD

Designed specifically for GM 4.8/5.3/6.0L cathedral port truck engines and cathedral port LS1, -2, -6 race applications where hood clearance is not a concern, the FAST™ LSXRT™102mm Intake Manifold follows the path chartered by the original FAST™ LSX™ Gen III Intake by featuring a modular design that allows for easy porting and disassembly and a runner design that yields an incredible 25 peak horsepower gain over the stock intake, on a stock 6.0L engine with a Big Mouth 102mm Throttle Body™. And similar to the LSXR™ 102mm Intake Manifold for cars, the LSXRT™ features the ability to remove individual runners for modification.

The LSXRT™ is constructed from a proprietary precision injection molded polymer which offers many benefits, including lighter weight, greater strength and lower heat soak propensity. While it features a 102mm air inlet that was designed for the FAST™ Big Mouth 102mm Throttle Body™, it can also be used with stock 90mm or aftermarket 92mm throttle bodies (78mm three-bolt throttle bodies require an adapter). Other features include integrated nitrous bungs and precise bolt-on fit that permits the use of factory accessories and OEM fuel/emission connections without adjustments or clearance issues. Some GM truck models may require the FAST™ 92mm or 102mm throttle body.



LSXRT™ 102MM INTAKE MANIFOLD	
146602	102mm Intake Manifold (Cathedral Port Only) (LS1, -2 & 6)

Performance Material

- Designed for 1997 and later GM 4.8/5.3/6.0L cathedral port truck engines and all LS1, -2, -6 based engines (race applications with appropriate cowl clearance)
- Multi-layer modular design with removable runners for easy disassembly & porting
- 102mm inlet works w/ 90, 92 or 102mm throttle bodies for high flow & minimal restriction
- Advanced polymer material is strong, lightweight & cools intake charge for enhanced power
- Big gains in rear-wheel hp yet retains factory fitments & under-hood clearance requirements

www.fuelairspark.com FAST™ FUEL AIR SPARK TECHNOLOGY

LSXR™ 102MM MANIFOLD

Airflow engineers at RHS® and the EFI specialists at FAST™ recently worked hand-in-hand to develop a superior intake manifold for GM LS performance applications. With models available for all the popular LS engines, the LSXR™ features a three-piece modular construction to allow for easy disassembly and porting. Extensive testing led to a runner design that was longer and less restrictive, allowing the removal of individual runners for modification. Regardless of the application, dyno testing has proven these manifolds deliver significant bolt-on performance gains in stock applications and gains upwards of 25+ horsepower in larger displacement or highly modified combinations.

Constructed from advanced polymer material, the LSXR™ is lighter, stronger and more heat resistant than comparable aluminum intakes. While it features a 102mm air inlet, it can be used with 90mm or 92mm throttle bodies. Other features include integrated nitrous bungs and perfect bolt-on fitment, allowing use of factory accessories without clearance issues.

Performance Material

- Available for GM LS1 (cathedral port), LS3 (rectangle port) & LS7 (raised rectangle port) engines
- 16+ hp gains with stock displacement & 26+ rwhp with larger cubic inch
- Removeable runners for easy porting
- Perfect bolt-on fitment allows for the use of OEM accessories
- 50 state legal

LSXR™ 102MM INTAKE MANIFOLD	
146102	102mm Intake Manifold - LS3/L76/L92/L99
146202	102mm Intake Manifold - LS7
146302	102mm Intake Manifold - LS1/LS2/LS6 Cars
LSXR™ 102MM COMPONENTS	
146000	102mm Upper Shell - L92/LS3/LS7
146001	102mm Lower Shell - L92/LS3
146201	102mm Lower Shell - LS7
146053	102mm Intake Manifold Replacement Runner Set - L92/LS3
146253	102mm Intake Manifold Replacement Runner Set - LS7
LSXR™ 102MM ACCESSORIES	
146027-KIT	LSXR™ Fuel Rail Kit (Billet Style) LS3/L76/L92/L99/LS7
146033-KIT	LSXR™ Fuel Rail Kit (Billet Style) LS1/LS2/LS6 Cars
146020-KIT	LSXR™ Fuel Rail Kit (OEM Style) LS7
146025-KIT	LSXR™ Fuel Injector Spacer Kit (use with OEM Fuel Rails) - LS3/L76/L92/L99
146032-KIT	LSXR™ Fuel Rail Kit (Billet Style) - LS1/LS6
146021-KIT	LSXR™ Fuel Rail Kit (OEM Style) - LS1/LS6
54028FRC	Crossover Line for FAST™ LSXR™ Fuel Rails - LS1/LS2/LS3/LS6/LS7/L76/L99
146003-8	Intake Port Seal Replacements for LS3 LS3/L76/L92/L99
146203-8	Intake Port Seal Replacements for LS1 LS1/LS2/LS6 Cars
54028-KIT	LSX™ Fuel Line Conversion Kit - LS1
54028G-KIT	LSX™ Fuel Line Conversion Kit w/ Fuel Pressure Gauge ('98-'02 LS1 F-Bodies w/ FAST&trade Fuel Rails) - LS1
LSXRT™ 102MM ACCESSORIES	
146030-KIT	OEM Fuel Rail Mounting Kit - (LS1, -2 & 6)
146028-KIT	LSXRT™ Fuel Rail Kit (Billet Style) (LS1, -2 & 6)
146031-KIT	OEM Fuel Rail Mounting Kit (Square Metal) (LS1, -2 & 6)
146029-KIT	Throttle Body Adapter Plate Kit 102mm to 75mm (use with OEM throttle body) (LS1, -2 & 6)

FAST INJECTORS

PART #	DESCRIPTION
30332-8	Precision-Flow LS2 Type, 33 lb/hr Injectors, USCAR Connectors
30462-8	Precision-Flow LS2 Type, 46 lb/hr Injectors, USCAR Connectors
30572-8	Precision-Flow LS2 Type, 57 lb/hr Injectors, USCAR Connectors
30859-8	Precision-Flow LS2 Type, 85 lb/hr Injectors, USCAR Connectors
30397-8	Precision-Flow LS/3/7/L99/L76 Type, 39 lb/hr Injectors, USCAR Connectors
30507-8	Precision-Flow LS/3/7/L99/L76 Type, 50 lb/hr Injectors, USCAR Connectors
30657-8	Precision-Flow LS/3/7/L99/L76 Type, 65 lb/hr Injectors, USCAR Connectors
30857-8	Precision-Flow LS/3/7/L99/L76 Type, 85 lb/hr Injectors, USCAR Connectors
303608	Precision-Flow 2.250" Height, 36 lb/hr Injectors, Minitimer Connectors
30608	Precision-Flow 2.250" Height, 60 lb/hr Injectors, Minitimer Connectors
30355-8	Precision-Flow 2.550" Height, 220 lb/hr L.I. Injectors, Minitimer Connectors



FUEL RAILS

PART #	DESCRIPTION
534-210	LS Hi-Flow Fuel Rail Kit Fits: LS1/2/3/6/L99 Factory Intakes Bright dip, black anodized finish with laser etched EFI logo for long lasting good looks 5/8" diameter fuel passage provides the flow capacity for high horsepower applications High volume fuel passage dampens fuel pressure oscillations Fuel rails are machined to accept -8 (3/4-16) O-ring fittings Includes (4) -6 to 3/4-16 O-ring adapters Fuel Rails Only Part# 534-209



The FAST™ High Flow Billet Fuel Rails feature a larger internal diameter that dampens the pulses and provides increased fuel volume, ensuring that your injectors never run dry. In addition, they yield better fuel distribution and ultimately greater horsepower. Featuring high strength billet, lightweight, red anodized aluminum construction, FAST™ LS1 fuel rails deliver performance in addition to a show car quality appearance.

PART #	DESCRIPTION
54023	LSX LS1/6 Billet Fuel Rail Kit
54026	LSX LS2 OEM Fuel Rail/Injector Adapter Kit
146033-KIT	LSX LS2 Billet Fuel Rail Kit
146020-KIT	LSXR LS3/7 OEM Car Fuel Rail Kit
146027-KIT	LSXR LS3/7 Billet Fuel Rail Kit



GM LS Transplant Kits

The EZ-EFI GM LS Engine Transplant Kits allow anyone to easily run a GM LS Gen III/IV engine and transmission outside of the original vehicle and factory controller. Everything is covered, from fuel and spark to engine and electronic transmission. Optional package stages allow you to select the right level kit based on your individual needs.

EZ-EFI Engine Kit

PART #	DESCRIPTION
302002	EZ-EFI Engine Kit
302002T	EZ-EFI Engine Kit w/ In-Tank Fuel Pump
302002L	EZ-EFI Engine Kit w/ Inline Fuel Pump
302002-TCU	EZ-EFI Engine Kit w/ TCU
302002T-TCU	EZ-EFI Engine Kit w/ TCU & In-Tank Fuel Pump
302002L-TCU	EZ-EFI Engine Kit w/ TCU & Inline Fuel Pump



PART #	DESCRIPTION
302003	EZ-EFI Engine & Manifold Kit
302003T	EZ-EFI Engine & Manifold Kit w/ In-Tank Fuel Pump
302003L	EZ-EFI Engine & Manifold Kit w/ Inline Fuel Pump



EZ-EFI 2.0® GM LS Engine Transplant Kit

The new EZ-EFI 2.0® GM LS Engine Transplant Kit allows anyone to easily run a GM LS Gen III/IV engine and transmission outside of the original vehicle and factory controller. These FAST™ kits are the perfect no-headache solution for transplanting late model engines into street rods, muscle cars or other projects, such as engine swaps. Engine management is covered, and with the addition of the plug-and-play TCI® EZ-TCU™, electronic transmission control is no problem.



PART #	DESCRIPTION
30405-KIT	EZ-EFI 2.0 GM LS Engine Transplant Kit, Coil-Per-Cyl Ignition

LSX Nitrous Systems

The LSX Nitrous System is specifically fuel tuned for GM's LSX engines (LS1, -2, -3, -6, -7, L99, Gen III & Gen IV). These engines use higher fuel pressures (58 psi) and have noticeable power increases when custom jetted. In addition to optimized jet tuning, this kit also includes an extra long 18 ft. nitrous feed line from the bottle. This is nearly 2 feet longer than most universal kits, but it gives you the extra length needed for installing the nitrous bottle deep in an F-Body chassis trunk.



PART #	DESCRIPTION
82235	LSX Nitrous System – Purple
82235B	LSX Blackout Nitrous System

LSX High Output Nitrous System

Our LSX (LS1, -2, -3, -6, -7, L99, Gen III & Gen IV) High Output System is ideal for any GM LSX-powered vehicle looking for a serious power upgrade from the standard ZEX™ system. This kit features giant high-flow nitrous and fuel solenoids and -4AN nozzle feed lines. All of this high-flow hardware allows you to spray from 100-250 horsepower. Also included with this ZEX™ system is Fuel Shear™ Technology, which injects enrichment fuel directly in the nitrous plume for better atomization.

PART #	DESCRIPTION
82087	LSX High Output Nitrous System – Purple
82087P	LSX High Output Nitrous System – Polished

2010-2011 V8 Camaro Nitrous Systems

With the release of the 2010 Chevy Camaro, ZEX™ engineers have custom designed two nitrous systems specifically tailored to the Gen V Camaro engine, one for the V6 and another for the V8. The V6 kit offers a 55-100 horsepower upgrade, while the V8 version adds 75-175 additional horsepower. Each kit is designed to have an easy installation, and Active Fuel Control™ adjusts fuel delivery with changes in bottle pressure to operate at a safe air/fuel ratio.

PART #	DESCRIPTION
82380	2010-2011 Gen V Camaro Nitrous System – Purple
82380B	2010-2011 Gen V Camaro Nitrous System- Blackout

LSX™ Manifold Direct Port Nitrous System

The ZEX™ LSX™ Manifold Direct Port Nitrous System is the only custom made system for the FAST™ LSX™ Intake Manifold. Like all of our EFI Direct Port Systems, the kit includes custom distribution flex lines for easy installation. Designed to add from 75-300 horsepower, the kit uses a patented injector nozzle that delivers optimum nitrous and fuel atomization and activates at wide open throttle using our patented throttle position sensor technology.

PART #	DESCRIPTION
82032	LSX Manifold Direct Port Nitrous System

LS SERIES PERIMETER PLATE NITROUS SYSTEM

Typical spray bar nitrous plates are built on 30 year old technology and suffer from design compromises that can result in less than optimal performance and reliability. But ZEX™ has created three advanced nitrous technologies, each of which gives the user significant power advantages over conventional plate systems. And now, ZEX™ has a complete, race ready perimeter plate system for LS applications that is compatible with both cable and throttle-by-wire engines and is a direct fit for the new FAST™ LSXR™/LSXRT ™ 102mm Intake Manifolds. Adjustable from 100-250 horsepower, the system provides optimum spray efficiency and fuel distribution with nitrous and fuel outlets placed at 12 injection points around the perimeter of the intake manifold's inlet.



PART #	DESCRIPTION
82195	LS Series Perimeter Plate Blackout Nitrous System (Throttle-By-Wire)
82391	LS Series Perimeter Plate Blackout Nitrous System (Non Throttle-By-Wire)
82039	LS Series Perimeter Plate Conversion Kit

LED Purge Kits

- Ensures instant nitrous power by clearing delivery lines of any unwanted vapor
- Includes complete nitrous purge kit and a ZEX™ Purge-Cloud LED Kit (Purge-Cloud LED Kit available for individual purchase)
- LED light is available in red, green or blue and is powerful enough to illuminate a 15ft. nitrous cloud

PART #	DESCRIPTION
82010R	LED Purge Kit – Red LED
82010G	LED Purge Kit – Greed LED
82010B	LED Purge Kit – Blue LED
82170R	Purge-Cloud Light Kit – Red Light
82170G	Purge-Cloud Light Kit – Green Light
82170B	Purge-Cloud Light Kit – Blue Light

Machine Gun Purge Kits

- Pulses any purge kit on the market with a "machine gun" blast of noise
- Includes revolutionary Purge-Cloud LED light for strobe light effect
- Red, green and blue colors available
- ZEX™ laser-etched LED housing

PART #	DESCRIPTION
82370R	Machine Gun Purge Kit –Red LED
82370G	Machine Gun Purge Kit – Green LED
82370B	Machine Gun Purge Kit – Blue LED

Holley Intake Manifolds LS

Holley LS Hi-Ram EFI Manifold

PART #	DESCRIPTION
300-122	LS1/LS2/LS6 Cathedral Port EFI w/ 92MM Throttle Body
300-123	LS1/LS2/LS6 Cathedral Port EFI w/ 105MM Throttle Body
300-116	GM LS3/L92 Rectangle Port w/ 92MM Throttle Body
300-117	GM LS3/L92 Rectangle Port w/ 105MM Throttle Body



PART #	DESCRIPTION
300-113	A: Carbureted LS Hi-Ram Intake, 2 x 4150 LS3/L92
300-113	B: Carbureted LS Hi-Ram Intake, 2 x 4500 LS3/L92



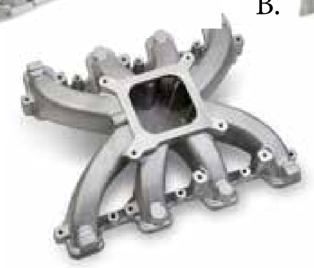
A.



B.

Holley Mid-Rise Carbureted LS Intakes

PART #	DESCRIPTION
300-137	LS1/2/6 2500-7000RPM 4150 Carb Flange Part #300-132 Available with Injector Bosses
300-136	LS3/L92 2500-7000RPM 4150 Carb Flange Part#300-131 Available with Injector Bosses



Edelbrock LS Intake Manifolds

PART #	DESCRIPTION
71393	Pro-Flo XT LS1 Series Satin
71403	Pro-Flo XT LS2 Series Satin



PART #	DESCRIPTION
2908	Victor Jr. LS1 Carbureted Intake Manifold with Timing Control Module (24tooth)
29087	Victor Jr. LS1/LS2 Carbureted Intake Manifold Only
29086	Victor Jr. LS1/LS2 Competition EFI Intake Manifold Only

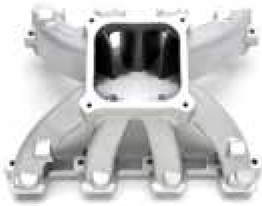


Edelbrock LS Intake Manifolds (cont'd)

PART #	DESCRIPTION
28097	Super Victor LS1/LS2 Manifold (for use with carburetor)
28095	Super Victor LS1/LS2 EFI Manifold
91238	LS1 (24x) Timing Control Module (red)
3638	Victor Jr. LS1 EFI Fuel Rail Kit (standard injectors with stands)



PART #	DESCRIPTION
2821	Super Victor LS3 Carbureted Manifold for 4500 Series Carbs
28215	Super Victor LS3 EFI Manifold for 4500 Style Throttle Bodies
2826	Super Victor LS3 Carbureted Manifold for 4150 Series Carbs
28265	Super Victor LS3 EFI Manifold for 4150 Style Throttle Bodies
3655	Super Victor LS3 EFI Fuel Rail Kit (Standard injectors, -8 AN ends)



PART #	DESCRIPTION
28457	Victor Jr. LS Series Gen IV Carbureted Manifold for L92 Heads
28455	Victor Jr. LS Series Gen IV EFI Manifold for L92 Heads
3638	Victor Jr. LS1 EFI Fuel Rail Kit (standard injectors with stands)



PERFORMANCE

Chevrolet Performance Intakes

PART #	DESCRIPTION
88958675	LS1/2/6, 4150 Style Flange, 2,800 – 7,000 RPM
25534394	LS7, 4150 Style Flange
25534401	LS3/L92, 4150 Style Flange, 3,000 – 7,500 RPM
19244037	LSX/3/L92/L76, 4150 Style Flange, Dual Plane, Thick Casting for Porting
19244035	LSX/S/L92/L76, 4150 Style Flange, Thick Casting for Porting
19244033	LSX/7, 4150 Style Flange, Thick Casting for Porting
19257851	LSX-DR, 1" Raised 4150 Style Flange, Thick Casting for Porting
19257854	LSX-CT, .50" Raised 4150 Style Flange, Thick Casting for Porting



SPARK PLUG WIRES



PART #	DESCRIPTION
C9LSRD	Davis Unified Ignition Spark Plug Wires, Set of 8, 8mm, Red
C9LSBL	Davis Unified Ignition Spark Plug Wires, Set of 8, 8mm, Black



PART #	DESCRIPTION
92045	Taylor Cable Spark Plug Wires, Set of 8, 9mm, Car, Black
92046	Taylor Cable Spark Plug Wires, Set of 8, 9mm, Truck, Black



PART #	DESCRIPTION
32829	MSD Spark Plug Wires, Set of 8, 8.5mm, Truck, Red
32819	MSD Spark Plug Wires, Set of 8, 8.5mm, Car, Red

IGNITION COILS



PART #	DESCRIPTION
65250	Davis Unified Ignition Coil Packs, Square, Set of 8, 40K V, Black
65350	Davis Unified Ignition Coil Packs, Triangular, Set of 8, 40K V, Black
65150	Davis Unified Ignition Coil Packs, Round, Set of 8, 40K V, Black



PART #	DESCRIPTION
718188	Taylor Cable Ignition Coil Pack, Rectangular, Set of 8, Black



PART #	DESCRIPTION
82858	MSD Ignition Coil Pack, Square, Set of 8, Red, LS1/6
82878	MSD Ignition Coil Pack, Square, Set of 8, Red, LS2/7
82868	MSD Ignition Coil Pack, Square, Set of 8, Red, LQ

PERFORMANCE

CHEVROLET PERFORMANCE CYLINDER HEADS

PART #	DESCRIPTION
12629063	LS3 Assembled Aluminum Cylinder Head, 68.4cc, 260cc Int. Runner, 2.165/1.590
12629051	LS3 Bare Aluminum Cylinder Head, 68.4cc, 260cc Int. Runner, 2.165/1.590
12629049	LS2/6 Bare Aluminum Cylinder Head, 64.5cc, 210cc Int. Runner, 2.000/1.550
12629051	LS3 Bare Aluminum Cylinder Head, 70cc, 260cc Int. Runner, 2.165/1.590
88958758	LS3 CNC Assembled Alum. Cyl Head, 68.5cc, 276cc Int. Runner, 2.165/1.590
19201805	LSX/3 Assembled Alum. Cyl Head, 70cc, 260cc Int. Runner, 2.160/1.590
19201806	LSX/7 Assembled Alum. Cyl Head, 70cc, 270cc Int. Runner, 2.200/1.610
19257879	LSX/7 Bare Aluminum Cylinder Head, 70cc, 270cc Int. Runner, 2.200/1.610
19166981	LSX/CT Bare Aluminum Cylinder Head, 45cc, 302cc Int. Runner, 2.200/1.610
19166979	LSX/DR Bare Alum. Cyl Head, 50cc, 313cc Int. Runner, 2.250-2.280/1.60-1.650



LSX-CT and LSX-DR Heads

The LSX-CT (Circle Track) and LSX-DR (Drag Racing) cylinder heads feature raised-runner designs for improved airflow that supports sustained high-rpm performance. Intake port configuration is similar to the competition derived C5R head, but the ports are raised an amazing 10mm and intake manifold bolt pattern is spread to accommodate additional port configurations.

Additional Features Include:

- 11-degree valve angle
- Accommodates up to 1.660” diameter springs
- Raised rocker rails
- Requires shaft-mount rockers
- May require special valve covers to clear shaft-mount rockers
- Provisions for down nozzle machining
- 9 Degree intake manifold angle-requires LSX-DR or LSX-XT Intake
- Unique LSX-CT/DR exhaust bolt pattern use flange P/N 19257453



RHS® RACING HEAD SERVICE

BIG PORT LS7 PRO ELITE™ 307CC PART# 54504







Designed for BIG Horsepower, BIG Cubic Inch Hardcore Street or Race GM LS Engines

Big engines make big power, but often cylinder heads don't provide the necessary flow characteristics for large power plants. RHS® Pro Elite™ Big Port LS7 Cylinder Heads solve this problem. They are the only raised runner aftermarket LS7 heads with the runner volume to support large cubic inch applications, yet are still able to utilize both production and aftermarket intake manifolds and valve trains. Intake ports are raised .220" from the stock location for a straight line of sight to the cylinder. The heads feature a .750" thick deck surface and reinforced rocker rails, which make them perfect for high horsepower and boosted applications. They work well with all existing LS7 parts but have bigger intake ports and valves than the standard RHS® Pro Elite™ LS7 Cylinder Heads. They feature the popular 6-bolt design, making them compatible with the RHS® LS Race Block, GM LSX block and OEM GM LS blocks. These aluminum, CNC-ported heads feature a 307cc intake runner, 98cc exhaust runner and 69cc chamber volume. The intake valve is 2.250" x 5/16", while the exhaust valve is 1.615" x 8mm. RHS® Pro Elite™ Big Port LS7 Cylinder Heads are designed for larger cubic inch, all-out race engines but are also ideal for 454-502c.i. LS street engines.

- Includes (1) bare 355-T6 aluminum CNC cylinder head
- CNC-machined intake & exhaust runners as well as combustion chambers
- Intake ports raised .220" from stock location for strait line of sight into the cylinders
- .750" thick deck & reinforced rocker rails make heads ideal for high HP & boosted applications
- 6 head-bolt design works with RHS® LS Race Block & GM LSX Block as well as standard 4-bolt LS blocks
- 6 bolt heads offer superior clamping capacity over standard 4-bolt; Excellent for high boost applications
- Bigger intake ports & valves over standard Pro Elite™ LS7 Cylinder Heads
- Set-up for 2.250" intake & 1.615" exhaust valves
- Utilizes OEM or aftermarket LS7 valve train

*Requires COMP Shaft Mount Rockers OR part #54520; OEM LS7 Rocker Adaptor (Requires [2])

RHS® RACING HEAD SERVICE

PRO ELITE™ LS7 RECTANGLE PORT

CNC-PORTED Aluminum Cylinder Heads

- 12° Valve Angle
- Unique .220 Raised Intake Runners
- LS 6-Bolt Head Design





BARE						ASSEMBLED					
PART #	RUNNER	CHAMBER	SPARK PLUGS	VALVE SIZE IN.	EX.	PART #	VALVE TRAIN	MAX LIFT	VALVE SPRINGS	RETAINERS PART #	MATERIAL[A]
P-PORT (w/o Valve Job)											
54500	–	–	Angle	–	–	–	–	–	–	–	–
CNC-PORTED											
54501	291cc	69cc	Angle	2.200	1.615	54501-05HCS[B]	Hyd. Roller	.660	26925	713	CS
						54501-06STS[B]	Hyd. Roller	.675	26926	1779	TS
						54501-06STI[B]	Hyd. Roller	.675	26926	779	TI
						54501-06TTSX[C]	Hyd. Roller	.675	26926	1779	TS
						54501-06TTIX[C]	Hyd. Roller	.675	26926	779	TI
						54501-06TTS[D]	Hyd. Roller	.675	26926	1779	TS
						54501-06TTI[D]	Hyd. Roller	.675	26926	779	TI
Sprint Car P-Port (w/o Valve Job)											
54509	–	–	Angle	–	–	–	–	–	–	–	–
Sprint Car CNC-Machined											
54510	291cc	69cc	Angle	2.200	1.615	–	–	–	–	–	–

[A] 'CS' denotes Chromemoly Steel, 'TI' denotes Titanium & 'TS' denotes Tool Steel.
[B] With Manley lightweight hollow stem stainless intake valves and severe duty solid stainless exhaust valves.
[C] With Manley titanium intake valves and Inconel exhaust valves.
[D] With Manley titanium intake valves and titanium exhaust valves.





CHAMPIONSHIP ENGINE COMPONENTS

PRO1 LS1 Aluminum Cylinder Heads

PRO1 LS1		
Aluminum Alloy:		C355-T61
Valve Angle:		15º (stock)
Intake Port Volume		205 / 225cc
Intake Valve:		2.020/2.050
Exhaust Valve:		1.600
Chamber Volume:		62cc
LIFT	INTAKE	EXHAUST
205 FLOW @ 28 Water		
.200	156	109
.300	215	154
.400	258	187
.500	290	205
.600	298	214
225 FLOW @ 28 Water		
.200	144	109
.300	202	154
.400	254	187
.500	290	205
.600	313	214









PART #	CONFIGURATION FOR USE	VALVES	MAX LIFT
205 LS1 Heads			
11010010	Bare Head	2.020/1.600 VJ	–
11011112	1.290 Beehive Springs for Hydraulic Roller	2.020/1.600	.625
225 LS1 Heads			
11020020	Bare Head	2.050/1.600 VJ	–
11021122	1.290 Beehive Springs for Hydraulic Roller	2.050/1.600	.625

PRO1 LS1 CNC Aluminum Cylinder Heads



PART #	CONFIGURATION FOR USE	VALVES	MAX LIFT
250 LS1 CNC Heads			
11071040	Bare Head	2.080/1.600 VJ	–
11071142	1.290 Beehive Springs for Hydraulic Roller	2.080/1.600 VJ	.625
11071143	1.295 Dual Springs for Hydraulic Roller	2.080/1.600 VJ	.650







PRO1 LS1 CNC		
Aluminum Alloy:		C355-T61
Valve Angle:		15º (stock)
Intake Port Volume		250cc
Intake Valve:		2.080
Exhaust Valve:		1.600
Chamber Volume:		68cc
LIFT	INTAKE	EXHAUST
FLOW DATA @ 28 Water		
.200	144	114
.300	214	157
.400	264	192
.500	305	219
.600	344	240

FEL-PRO INTAKE GASKETS

Fel-Pro Performance Intake manifold Gaskets	
FEL-13121	Cath. .030 3.340 x 1.190 97-04 Gen III/IV LS1
FEL-13123	Cath. .060 3.34 x 1.190 97-04 Gen III/IV LS1
FEL-13124	Cath. .090 3.34 x 1.190 97-04 Gen III/IV LS1
FEL-12222	Rect. .045 thick 2.7 x 1.35 08-10 L92
FEL-12223	Rect. .060 thick 2.7 x 1.35 08-10 L92
FEL-12082	Stock Port .045 thick LS7





FEL-PRO Permatorque MLS Head Gaskets

FEL-1160L-041	LS1/LS6 .041 thickness LH 3.945 Bore
FEL-1160L-041	LS1/LS6 .041 thickness RH 3.945 Bore
FEL-1160L	LS1/LS6 .053 Thickness LH 3.945 Bore
FEL-1160R	LS1/LS6 .053 Thickness RH 3.945 Bore
FEL-26472L-041	GEN III LS .041 thickness LH 4.100 Bore
FEL-26472R-041	GEN III LS .041 thickness RH 4.100 Bore
FEL-26472L	GEN III LS .053 Thickness LH 4.100 Bore
FEL-26472R	GEN III LS .053 Thickness RH 4.100 Bore
FEL-26473L041	GEN III LS .041 Thickness LH 4.100 Bore
FEL-26473R041	GEN III LS .041 Thickness RH 4.100 Bore
FEL-1162L041	LS7 .041 thickness LH 4.175 Bore
FEL-1162R041	LS7 .041 thickness RH 4.175 Bore
FEL-1162R053	LS7 .053 thickness RH 4.175 Bore
FEL-1162L053	LS7 .053 thickness LH 4.175 Bore



Check out ENGINETECH on your favorite social networks!

LS Valve Covers

PERFORMANCE

Through innovative engineering, PROFORM has developed a valve cover that will take your generic looking stock LS engine, and give it a totally personalized look. These new valve covers are taller than stock valve covers, and can accommodate a wide variety of large valve train applications. These valve covers are available in 5 different styles, which include raised and recessed emblems. Unique mounting studs, and oil restricting baffles are included. Threaded mounting holes for Integrated Ignition Coil Bracket included. The passenger side valve cover has an oil filler hole. Sold in pairs.

Proform LS Valve Covers	
PART #	**DESCRIPTION**
141-265	Chrome Aluminum Blk/Red Recessed Chevrolet
141-262	Black Crinkle Aluminum Raised Chevrolet Emblem
141-261	Chevy Orange Aluminum Raised Chevrolet Emblem
141-263	Cast Grey Crinkle Aluminum Raised Chevrolet Emblem
141-257	LSX Orange Aluminum Raised LSX Emblem



These mounting bolts are necessary to mount Chevrolet and Bowtie LS valve covers part numbers 141-261 thru 141-265 to LSX-DR cylinder heads.

PART #	DESCRIPTION
66330	Chrome Aluminum Blk/Red Recessed Chevrolet



Now Available! What to do with those pesky coils in such a confined space? In addition to new LS Slant-Edge valve covers, Specialty has designed an attractive way to lift your coils off your valve cover so you can see the Chevrolet emblem. A unique rail mounting system attaches to the threaded holes on the valve cover, and the individual coils attach to the rail so they can be mounted in multiple positions. All necessary hardware included. Note: Stock spark plug wires are not long enough to work with this coil bracket. MSD's 13" spark plug wires, part no. 39849 are recommended. 13-15" wires are needed if making your own wires.

PART #	DESCRIPTION
69520	Integrated Ignition Coil Bracket for LS1 1997-2004 Style Coils
69521	Integrated Ignition Coil Bracket for LS3/LS7 2008-12 Style Coils





The 18" and 46" cords have authentic Delphi connectors and are build and tested to withstand life in the engine compartment.

69525	18" Extension for GM LS Ignition Coil Harness
69526	46" Extension for GM LS Ignition Coil Harness



LS ENGINE VALVE SPRING KITS



NEW! LS Engine Beehive™ Valve Spring Kit

- Kits designed for hydraulic roller cams that include carefully matched Beehive™ Springs, retainers, locks, seals and spring seats
- Kits available with steel, lightweight Tool Steel or titanium retainers
- .600 maximum lift for kits including part #26915 valve springs
- .625 maximum lift for kits including part #26918 valve springs

NEW! LS Engine Dual Valve Spring Kit

- Dual spring kits designed for hydraulic roller and some solid roller cams include matched valve springs, retainers, locks, seals and spring seats
- Kits available with lightweight Tool Steel or titanium retainers
- .650 maximum lift for kits including the part #26925 valve spring
- .675 maximum lift for kits including the part #26926 valve spring

PART #	COMPONENTS	DESCRIPTION
#26915		
26915CS-KIT Components Include:	26915-16	Beehive™ Valve Springs
	774-16	Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats
26915TS-KIT Components Include:	26915-16	Beehive™ Valve Springs
	1772-16	Lightweight Tool Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats
26915TI-KIT Components Include:	26915-16	Beehive™ Valve Springs
	772-16	Titanium Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats
#26918		
26918CS-KIT Components Include:	26918-16	Beehive™ Valve Springs
	774-16	Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats
26918TS-KIT Components Include:	26918-16	Beehive™ Valve Springs
	1772-16	Lightweight Tool Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats

PART #	COMPONENTS	DESCRIPTION
26918TI-KIT Components Include:	26918-16	Beehive™ Valve Springs
	772-16	Titanium Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4705-16	Spring Seats
#26925		
26925TS-KIT Components Include:	26925-16	Street/Strip Dual Valve Springs
	1717-16	Lightweight Tool Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4695-16	Spring Seats
26925TI-KIT Components Include:	26925-16	Street/Strip Dual Valve Springs
	717-16	Titanium Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4695-16	Spring Seats
#26926		
26926TS-KIT Components Include:	26926-16	Street/Strip Dual Valve Springs
	1779-16	Lightweight Tool Steel Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4695-16	Spring Seats
26926TI-KIT Components Include:	26926-16	Street/Strip Dual Valve Springs
	779-16	Titanium Retainers
	623-16	7° Steel Valve Locks
	511-16	Valve Seals
	4695-16	Spring Seats

ENGINETECH COMPONENTS

CAM BEARING SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
CC426	293	4.8	3.780	99-03	TRUCK, VAN, SUV	A,C,V GM 16V	(Early '03 with #1&5 housing ID of 2.327)
CC433	293	4.8	3.780	03-11	TRUCK, VAN, SUV	A,C,V GM 16V	(Late '03 with #1&5 housing ID of 2.347)
CC426	325	5.3	3.780	99-03	TRUCK, VAN, SUV	GM 16V	(Early '03 with #1&5 housing ID of 2.327)
CC433	325	5.3	3.780	03-11	TRUCK, VAN, SUV	GM 16V	(Late '03 with #1&5 housing ID of 2.347)
CC433	325	5.3	3.780	05-09	CAR	C GM 16V	
CC426	346	5.7	3.898	97-03	CAR	G,S Chev. 16V	(Early '03 with #1&5 housing ID of 2.327)
CC433	346	5.7	3.898	03-05	CAR	G,S Chev. 16V	(Late '03 with #1&5 housing ID of 2.347)
CC426	364	6.0	4.000	99-03	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	(Early '03 with #1&5 housing ID of 2.327)
CC433	364	6.0	4.000	03-10	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	(Late '03 with #1&5 housing ID of 2.347)
CC433	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	
CC433	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	
CC433	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	



ENGINETECH COMPONENTS

ROD AND MAIN BEARING SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
BB253J	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	
BB253HP	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	With 0.002 oversized OD.
BC409J	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	
BC409HP	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	
BB253HP	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	With 0.002 oversized OD.
BC409J	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	
BC409HP	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	325	5.3	3.780	05-09	CAR	C GM 16V	
BB253HP	325	5.3	3.780	05-09	CAR	C GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	325	5.3	3.780	05-09	CAR	C GM 16V	With 0.002 oversized OD.
BC409J	325	5.3	3.780	05-09	CAR	C GM 16V	
BC409HP	325	5.3	3.780	05-09	CAR	C GM 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	
BB253HP	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	With 0.002 oversized O.D
BC409J	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	
BC409HP	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	
BB253HP	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	With 0.002 oversized O.D.
BC409J	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	
BC409HP	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	
BB253HP	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	With 0.002 oversized OD.

ENGINETECH COMPONENTS

ROD AND MAIN BEARING SETS (CONT'D)

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
BC409J	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	
BC409HP	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	High Performance Tri-Metal..
BB253J	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	
BB253HP	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	With 0.002 oversized OD.
BC409J	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	
BC409HP	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	High Performance Tri-Metal. 1/2 groove.
BB253J	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	
BB253HP	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	High Performance AlSi. Narrowed. No dowel hole.
BB353J	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	With 0.002 oversized OD.
BC409J	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	W.
BC409HP	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	W. High Performance Tri-Metal. 1/2 groove.

OE STYLE CAMSHAFTS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
ES1567	293	4.8	3.780	00-06	TRUCK, VAN, SUV	A,C,V GM 16V	Use roller followers.
ES1567	325	5.3	3.780	00-04	TRUCK, VAN, SUV	GM 16V	Use roller followers.
ES1567	325	5.3	3.780	05-06	TRUCK, VAN, SUV	GM 16V	T, Z. Use roller followers.
ES1384	346	5.7	3.898	01-04	CAR	G,S Chev. 16V	G LS1. Hydraulic. Use roller followers.
ES1567	364	6.0	4.000	99-03	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Except N. Use roller followers.
ES1384	364	6.0	4.000	02-06	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	N. Use roller followers.



ENGINETECH COMPONENTS

NEW CYLINDER HEAD CASTINGS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
EHC293	293	4.8	3.780	99-05	TRUCK, VAN, SUV	A,C,V GM 16V	New bare head. 71cc chamber. .3154 guide ID. Valve head diameter 1.890-1.920 / 1.550-1.580. Casting # 426. Check for proper physical match before installation.
EHC293	325	5.3	3.780	99-05	TRUCK, VAN, SUV	GM 16V	New bare head. 71cc chamber. .3154 guide ID. Valve head diameter 1.890-1.920 / 1.550-1.580. Casting # 426. Check for proper physical match before installation.

EXPANSION PLUG KITS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN
PK827	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V
PK827	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V
PK820	346	5.7	3.898	97-01	CAR	G,S Chev. 16V



OE STYLE LOWER GASKET SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
C293CS-A	293	4.8	3.780	99-07	TRUCK, VAN, SUV	A,C,V GM 16V	W/rear main seal. Engines with flat mount cam plate bolts.
C325CS-A	293	4.8	3.780	99-09	TRUCK, VAN, SUV	A,C,V GM 16V	W/rear main seal. Engines with recessed cam plate bolts.
C293CS-A	325	5.3	3.780	99-07	TRUCK, VAN, SUV	GM 16V	W/rear main seal. Engines with flat mount cam plate bolts.
C325CS-A	325	5.3	3.780	99-09	TRUCK, VAN, SUV	GM 16V	W/rear main seal. Engines with recessed cam plate bolts.
C325CS-A	325	5.3	3.780	05-09	CAR	C GM 16V	W/rear main seal.
C293CS-A	346	5.7	3.898	97-04	CAR	G,S Chev. 16V	W/rear main seal. '00-04 Corvette lower oil pan gasket not included.
C325CS-A	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	W/rear main seal. Engines with recessed cam plate bolts.
C293CS-A	346	5.7	3.898	05-05	CAR	G,S Chev. 16V	W/rear main seal. Engines with flat mount cam plate bolts.
C293CS-A	364	6.0	4.000	99-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Engines with flat mount cam plate bolts. W/rear main seal.
C325CS-A	364	6.0	4.000	99-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Engines with recessed cam plate bolts. W/rear main seal.
C293CS-A	364	6.0	4.000	05-07	CAR	2,U,Y GM 16V	W/rear main seal. Engines with flat mount cam plate bolts.
C325CS-A	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	W/rear main seal. Engines with recessed cam plate bolts.
C325CS-A	364	6.0	4.000	08-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	W/rear main seal.
C325CS-A	376	6.2	4.065	07-09	TRUCK, VAN, SUV	2,8,F GM 16V	W/rear main seal.
C325CS-A	379	6.2	4.065	08-09	CAR	J,P,R,W GM 16V	W/rear main seal.
C325CS-A	379	6.2	4.065	09-09	CAR	P,R,T 16V S/C	W/rear main seal.

ENGINETECH COMPONENTS

OE STYLE HEAD GASKET SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
C293HS-A	293	4.8	3.780	99-00	TRUCK, VAN, SUV	A,C,V GM 16V	With valve stem seals. Contains graphite head gasket.
C293HS-A	293	4.8	3.780	01-01	TRUCK, VAN, SUV	A,C,V GM 16V	With early metal clad valve seals & graphite head gasket. With 14.4mm valve guide O.D.
C293HS-D	293	4.8	3.780	01-09	TRUCK, VAN, SUV	A,C,V GM 16V	C. MLS Head Gaskets. With late tophat valve seals.
C293HS-A	325	5.3	3.780	99-00	TRUCK, VAN, SUV	GM 16V	With valve stem seals. Contains graphite head gasket.
C293HS-A	325	5.3	3.780	01-01	TRUCK, VAN, SUV	GM 16V	With early metal clad valve seals & graphite head gasket. With 14.4mm valve guide O.D.
C293HS-D	325	5.3	3.780	01-07	TRUCK, VAN, SUV	GM 16V	B. Gen III. MLS Head Gaskets. With late tophat valve seals.
C325HS-A	325	5.3	3.780	05-09	CAR	C GM 16V	MLS Head Gaskets. W/valve stem seals.
C325HS-A	325	5.3	3.780	05-09	TRUCK, VAN, SUV	GM 16V	0,3,J,M. Gen IV. MLS Head Gaskets. W/valve stem seals.
C346HS-A	346	5.7	3.898	97-98	CAR	G,S Chev. 16V	MLS Head Gaskets. Includes valve stem seals.
C346HS-B	346	5.7	3.898	99-00	CAR	G,S Chev. 16V	All. MLS head gasket. Includes valve stem seals.
C346HS-B	346	5.7	3.898	01-01	CAR	G,S Chev. 16V	G. Camaro & Firebird. MLS head gasket. Includes valve stem seals.
C346HS-C	346	5.7	3.898	02-02	CAR	G,S Chev. 16V	G. Camaro & Firebird. MLS head gasket. W/valve stem seals.
C346HS-D	346	5.7	3.898	02-04	CAR	G,S Chev. 16V	G,S. Corvette. MLS head gasket. W/valve stem seals.
C346HS-C	346	5.7	3.898	04-04	CAR	G,S Chev. 16V	G. GTO. MLS head gasket. W/valve stem seals.
C346HS-C	346	5.7	3.898	04-05	CAR	G,S Chev. 16V	S. CTS. MLS head gasket. W/valve stem seals.
C364HS-A	364	6.0	4.000	99-00	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	With early metal clad valve seals. Conventional head gaskets.
C364HS-B	364	6.0	4.000	01-01	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	With late tophat valve seals. MLS head gaskets.
C364HS-B	364	6.0	4.000	02-02	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	With valve stem seals. MLS head gaskets.
C364HS-B	364	6.0	4.000	03-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	N,U. With valve stem seals. MLS head gaskets.
C364HS-D	364	6.0	4.000	05-07	CAR	2,U,Y GM 16V	W/valve stem seals. MLS head gaskets.
C364HS-C	364	6.0	4.000	05-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	H. With valve stem seals. MLS head gaskets.
C376HS-A	364	6.0	4.000	07-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	K,Y. With valve stem seals. MLS head gaskets. Lifter valley gasket not included.
C364HS-E	364	6.0	4.000	08-09	CAR	2,U,Y GM 16V	W/valve stem seals. MLS head gaskets.
C376HS-A	376	6.2	4.065	07-08	TRUCK, VAN, SUV	2,8,F GM 16V	MLS Head Gasket. W/valve stem seals. Lifter valley gasket not included.
C379HS-A	379	6.2	4.065	08-10	CAR	J,P,R,W GM 16V	W. W/valve stem seals. MLS head gasket.

ENGINETECH COMPONENTS

HEAD BOLT SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
HB171	293	4.8	3.780	99-04	TRUCK, VAN, SUV	A,C,V GM 16V	1st design set contains bolts of 3 different lengths. Two sets required.
HB230	293	4.8	3.780	04-09	TRUCK, VAN, SUV	A,C,V GM 16V	2nd design set contains bolts of 2 different lengths. Two sets required.
HB171	325	5.3	3.780	99-04	TRUCK, VAN, SUV	GM 16V	1st design set contains bolts of 3 different lengths. Two sets required.
HB230	325	5.3	3.780	04-09	TRUCK, VAN, SUV	GM 16V	2nd design set contains bolts of 2 different lengths. Two sets required.
HB230	325	5.3	3.780	05-09	CAR	C GM 16V	Two sets required.
HB171	346	5.7	3.898	97-04	CAR	G,S Chev. 16V	1st design set contains bolts of 3 different lengths. Two sets required.
HB230	346	5.7	3.898	04-05	CAR	G,S Chev. 16V	2nd design set contains bolts of 2 different lengths. Two sets required.
HB171	364	6.0	4.000	99-04	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	1st design set contains bolts of 3 different lengths. Two sets required.
HB230	364	6.0	4.000	04-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	2nd design set contains bolts of 2 different lengths. Two sets required.
HB230	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	Two sets required.
HB259	376	6.2	4.065	07-09	TRUCK, VAN, SUV	2,8,F GM 16V	Two sets required.

VALVE LIFTERS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
L2148	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	Hydraulic. Roller follower. (128 / tray).
L2148	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	Except cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray)
L2148	325	5.3	3.780	05-09	CAR	C GM 16V	Except cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray)
L2303	325	5.3	3.780	05-09	CAR	C GM 16V	For cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray)
L2303	325	5.3	3.780	05-11	TRUCK, VAN, SUV	GM 16V	J, M, 0, 3. For cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray).
L2148	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Except cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray).
L2148	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	Hydraulic. Roller follower. (128 / tray).
L2303	364	6.0	4.000	07-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Y, 5. For cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray).
L2148	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	2,8. Except cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (128 / tray).
L2303	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	8. For cylinders with AFM (Active Fuel Management). Hydraulic. Roller follower. (76 tray).

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ENGINETECH COMPONENTS

OIL PUMPS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
EP295	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	
EP295	325	5.3	3.780	99-04	TRUCK, VAN, SUV	GM 16V	The OE pump has no cast hole in-between the mounting bolt holes.
EP295	325	5.3	3.780	05-06	TRUCK, VAN, SUV	GM 16V	Except Envoy or Trailblazer. The OE pump has no cast hole in-between the mounting bolt holes.
EP365	325	5.3	3.780	05-09	TRUCK, VAN, SUV	GM 16V	Envoy & Trailblazer. The OE pump has a cast hole in-between the mounting bolt holes.
EP295	325	5.3	3.780	07-08	TRUCK, VAN, SUV	GM 16V	Except Avalanche 3, Suburban LY5 or Yukon XL. The OE pump has no cast hole in-between the mounting bolt holes.
EP365	325	5.3	3.780	07-08	TRUCK, VAN, SUV	GM 16V	Avalanche 3, Suburban LY5 & Yukon XL. The OE pump has a cast hole in-between the mounting bolt holes.
EP365	325	5.3	3.780	07-09	CAR	C GM 16V	Lacrosse, Impala, Monte Carlo. The OE pump has a cast hole in-between the mounting bolt holes. Enginetech Pressure King pump.
EP365	325	5.3	3.780	08-08	CAR	C GM 16V	Lacrosse, Impala, Monte Carlo. The OE pump has a cast hole in-between the mounting bolt holes. Enginetech Pressure King pump.
EP295	325	5.3	3.780	09-09	TRUCK, VAN, SUV	GM 16V	Except Avalanche 3, Express 1500, Savana, Suburban LY5 or Yukon XL. The OE pump has no cast hole in-between the mounting bolt holes.
EP365	325	5.3	3.780	09-09	TRUCK, VAN, SUV	GM 16V	Avalanche 3, Express 1500, Savana, Suburban LY5 & Yukon XL. The OE pump has a cast hole in-between the mounting bolt holes.
EP295	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	
EP295	364	6.0	4.000	99-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	U,N,H,K. The OE pump has no cast hole in-between the mounting bolt holes.
EP295	364	6.0	4.000	05-07	CAR	2,U,Y GM 16V	U.
EP365	364	6.0	4.000	07-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Y. The OE pump has a cast hole in-between the mounting bolt holes.
EP365	364	6.0	4.000	08-09	CAR	2,U,Y GM 16V	Y.
EP365	376	6.2	4.065	07-10	TRUCK, VAN, SUV	2,8,F GM 16V	2, 8.
EP295	379	6.2	4.065	08-09	CAR	J,P,R,W GM 16V	W,R. The OE pump has no cast hole in-between the mounting bolt holes.
EP365	379	6.2	4.065	10-10	CAR	J,P,R,W GM 16V	J. The OE pump has a cast hole in-between the mounting bolt holes.

ENGINETECH COMPONENTS

OE STYLE PISTON RING SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
C96008	293	4.8	3.780	99-10	TRUCK, VAN, SUV	A,C,V GM 16V	Premium. Steel top. 1.5 / 1.5 / 3.0mm.
C96008	325	5.3	3.780	99-10	TRUCK, VAN, SUV	GM 16V	Premium. Steel top. 1.5 / 1.5 / 3.0mm.
C96008	325	5.3	3.780	05-09	CAR	C GM 16V	Premium. Steel top. 1.5 / 1.5 / 3.0mm.
M38918	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	Premium. Steel top. Moly. 1.5 / 1.5 / 3.0mm. When depleted use S38918.
S38918	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	Premium. Steel top. 1.5 / 1.5 / 3.0mm.
C10218	364	6.0	4.000	99-06	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Premium. Steel top. 1.5 / 1.5 / 3.0mm. Includes HO.
S10248	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	Premium. Steel top. 1.2 / 1.5 / 2.5mm.
S10248	364	6.0	4.000	05-10	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Premium. Steel top. 1.2 / 1.5 / 2.5mm. Includes HO.
M40718	376	6.2	4.065	07-10	TRUCK, VAN, SUV	2,8,F GM 16V	2,8. Premium. 1.5 / 1.5 / 2.5mm.
M40718	379	6.2	4.065	08-11	CAR	J,P,R,W GM 16V	J,W. Premium. 1.5 / 1.5 / 2.5mm.

OE STYLE PISTON SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
P3078(8)	293	4.8	3.780	99-04	TRUCK, VAN, SUV	A,C,V GM 16V	Flat top. 1.328 CH. Hyper. Coated skirt. Press fit pin. Use C96008 rings.
P5036(8)	293	4.8	3.780	05-09	TRUCK, VAN, SUV	A,C,V GM 16V	Flat top. 1.323 CH. Hyper. Coated skirt. Floating pin. Use C96008 rings.
P3079(8)	325	5.3	3.780	99-04	TRUCK, VAN, SUV	GM 16V	Dish top. 1.327 CH. Hyper. Coated skirt. Press fit pin. Use C96008 rings.
P5037(8)	325	5.3	3.780	05-07	TRUCK, VAN, SUV	GM 16V	T,Z. Dish top. 1.323 CH. Hyper. Coated skirt. Floating pin. Use C96008 rings.
P5036(8)	325	5.3	3.780	05-09	CAR	C GM 16V	Flat top. 1.323 CH. Hyper. Coated skirt. Floating pin. Use C96008 rings.
P5036(8)	325	5.3	3.780	05-09	TRUCK, VAN, SUV	GM 16V	0,3,4,B,J,L,M,T,Z. Flat top. 1.323 CH. Hyper. Coated skirt. Floating pin. Use C96008 rings.
P3081(8)	346	5.7	3.898	97-03	CAR	G,S Chev. 16V	Flat top. 1.311 CH. Hyper. Coated skirt. Press fit pin. Use S38918 rings.
P3081(8)	346	5.7	3.898	04-04	CAR	G,S Chev. 16V	Except CTS. Flat top. 1.311 CH. Hyper. Coated skirt. Press fit pin. Use S38918 rings.
P5081(8)	346	5.7	3.898	04-05	CAR	G,S Chev. 16V	S CTS V. Flat top. 1.330 CH. Hyper. Coated skirt. Floating pin. Use S38918 rings.
P3080(8)	364	6.0	4.000	99-03	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	U. Dish top 0.050 deep. 1.328 CH. Hyper. Coated skirt. Press fit pin. Use C10218 rings.
P5041(8)	364	6.0	4.000	03-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	N. Flat top. 1.326 CH. Hyper. Coated skirt. Floating pin. Use C10218 rings.
P5038(8)	364	6.0	4.000	04-05	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	U. Dish top 0.058 deep. 1.328 CH. Hyper. Coated skirt. Floating pin. Use C10218 rings.
P5041(8)	364	6.0	4.000	06-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	U. Flat top. 1.326 CH. Hyper. Coated skirt. Floating pin. Use C10218 rings.
P5070(8)	364	6.0	4.000	07-10	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	5,K,Y. Dish top 0.047 deep. 2 valve reliefs. 1.328 CH. Hyper. Coated skirt. Floating pin. Use C10218 rings. When depleted use P5073(8).
P5073(8)	364	6.0	4.000	07-10	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	5,K,Y. Dish top 0.053 deep. 2 valve reliefs. 1.327 CH. Hyper. Coated skirt. Floating pin. Use S10248 rings.
P5076(8)	376	6.2	4.065	07-10	TRUCK, VAN, SUV	2,8,F GM 16V	2,8. Anodized Head. Use M40718 rings.

ENGINETECH COMPONENTS

PUSHRODS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
EPR614	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack)
EPR614	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack).
EPR614	325	5.3	3.780	05-09	CAR	C GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack).
EPR614	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	Int. & Exh. 7.397 O.A.L. (4 pack).
EPR614	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack).
EPR614	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack).
EPR614	376	6.2	4.065	07-11	TRUCK, VAN, SUV	2,8,F GM 16V	Int. & Exh. 7.397 O.A.L. (4 pack).

REAR MAIN SEALS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
S5671	293	4.8	3.780	99-09	TRUCK, VAN, SUV	A,C,V GM 16V	1pc. PTFE.
S5671	325	5.3	3.780	99-09	TRUCK, VAN, SUV	GM 16V	1pc. PTFE.
S5671	325	5.3	3.780	05-09	CAR	C GM 16V	1pc. PTFE.
S5671	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	1pc. PTFE.
S5671	364	6.0	4.000	99-09	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	1pc. PTFE.
S5671	364	6.0	4.000	05-09	CAR	2,U,Y GM 16V	1pc. PTFE.

OE STYLE EXHAUST VALVES

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
V4371	293	4.8	3.780	99-11	TRUCK, VAN, SUV	A,C,V GM 16V	.3127 stem. 1.551 head. 23-8N stainless. Ex. LPG.
V4371	325	5.3	3.780	99-11	TRUCK, VAN, SUV	GM 16V	.3127 stem. 1.551 head. 23-8N stainless. Includes flex fuel.
V4371	325	5.3	3.780	05-09	CAR	C GM 16V	.3127 stem. 1.551 head.
V4371	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	.3127 stem. 1.551 head. 23-8N stainless.
V4371	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	.3127 stem. 1.551 head. 23-8N stainless. Incl. Bi-Fuel & CNG.
V4371	364	6.0	4.000	05-07	CAR	2,U,Y GM 16V	U. .3127 stem. 1.551 head.

ENGINETECH COMPONENTS

OE STYLE INTAKE VALVES

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
V3452	293	4.8	3.780	99-06	TRUCK, VAN, SUV	A,C,V GM 16V	.3134 stem. 1.890 head. Ex. LPG.
V4366	293	4.8	3.780	07-08	TRUCK, VAN, SUV	A,C,V GM 16V	C. .3136 stem. 2.000 head.
V3452	325	5.3	3.780	99-07	TRUCK, VAN, SUV	GM 16V	.3134 stem. 1.890 head. Includes flex fuel.
V4366	325	5.3	3.780	05-08	TRUCK, VAN, SUV	GM 16V	.3136 stem. 2.000 head. Includes flex fuel.
V4366	325	5.3	3.780	05-09	CAR	C GM 16V	.3136 stem. 2.000 head.
V4366	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	.3136 stem. 2.000 head.
V4366	364	6.0	4.000	99-11	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	.3136 stem. 2.000 head. Ex. Bi-Fuel & CNG.
V4366	364	6.0	4.000	05-07	CAR	2,U,Y GM 16V	U. .3136 stem. 2.000 head.

TIMING SETS

PART #	CID	LITER	BORE	YEARS	VEHICLE TYPE	ENGINE VIN	APPLICATION NOTES
TS4194A	293	4.8	3.780	99-06	TRUCK, VAN, SUV	A,C,V GM 16V	3 Pc. set. Fits engines with or without cam position sensor. Cam sprocket has (3) bolt holes and (1) half circle hump on sprocket face. Also replaces TS4194.
TS4194B	293	4.8	3.780	07-09	TRUCK, VAN, SUV	A,C,V GM 16V	3 Pc. set. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.
TS4194A	325	5.3	3.780	99-06	TRUCK, VAN, SUV	GM 16V	3 Pc. set. Fits engines with or without cam position sensor. Cam sprocket has (3) bolt holes and (1) half circle hump on sprocket face. Also replaces TS4194.
TS4194A	325	5.3	3.780	05-07	CAR	C GM 16V	3 Pc. set. Cam sprocket has 3 bolt holes and one half circle hump on sprocket face.
TS4194B	325	5.3	3.780	07-09	TRUCK, VAN, SUV	GM 16V	3 Pc. set. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.
TS4194B	325	5.3	3.780	08-09	CAR	C GM 16V	3 Pc. set. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.
TS4194A	346	5.7	3.898	97-05	CAR	G,S Chev. 16V	3 Pc. Set.
TS4194A	364	6.0	4.000	01-07	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	3 Pc. set. Fits engines with or without cam position sensor. Cam sprocket has 3 bolt holes and one half circle hump on sprocket face. Also replaces TS4194.
TS4194A	364	6.0	4.000	05-05	CAR	2,U,Y GM 16V	3 Pc. set. Corvette. Cam sprocket has 3 bolt holes and one half circle hump on sprocket face.
TS4194A	364	6.0	4.000	05-06	CAR	2,U,Y GM 16V	3 Pc. set. GTO. Cam sprocket has 3 bolt holes and one half circle hump on sprocket face.
TS4194B	364	6.0	4.000	07-07	CAR	2,U,Y GM 16V	3 Pc. set. Corvette. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.
TS4194B	364	6.0	4.000	07-10	TRUCK, VAN, SUV	5,G,H,J,K,N,U,Y GM 16V	3 Pc. set. Fits engines without VVT. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.
TS4194B	364	6.0	4.000	08-09	CAR	2,U,Y GM 16V	3 Pc. set. G8. Cam sprocket has (1) bolt hole and (4) humps on sprocket face.

Enginetech is your source for hundreds of High Performance brands - from Classic to Modern Muscle!

GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART NUMBER	CAM GRIND NUMBER	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
XFI™ RPM HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Very strong torque, good mileage. Noticeable increase over stock cam.	Hyd.	Hyd.	800 to 5800	54-408-11	XR259HR	259	265	206	212	.515	.522	112°
HYDRAULIC ROLLER – Good torque & very strong mid-range power. Good performance cam.	Hyd.	Hyd.	1200 to 6000	54-412-11	XR265HR	265	271	212	218	.522	.529	114°
HYDRAULIC ROLLER – Great mid-range with superior top end power. Needs programmer.	Hyd.	Hyd.	1300 to 6300	54-414-11	XR269HR	269	273	216	220	.525	.532	114°
HYDRAULIC ROLLER – Street/strip camshaft for high rpm power. Likes higher rocker ratios. Must have programmer.	Hyd.	Hyd.	1600 to 6600	54-416-11	XR273HR	273	277	220	224	.530	.534	112°
HYDRAULIC ROLLER – Street/stripcam-shaft designed for use with FAST™ LSX™ intake. Requires programmer.	Hyd.	Hyd.	2000 to 6800	54-418-11	XR277HR	277	281	224	228	.534	.537	112°
XFI™ RPM HI-LIFT HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Great street cam with very wide power range, good drivability and excellent response.	Hyd.	Hyd.	1400 to 6700	54-424-11	XR265HR	265	271	212	218	.558	.563	115°
HYDRAULIC ROLLER – Great street/strip camshaft for mid-range and high rpm power. Must have programmer.	Hyd.	Hyd.	1800 to 6800	54-426-11	XR275HR	275	277	222	224	.566	.568	112°
HYDRAULIC ROLLER – High rpm street/strip camshaft for use with FAST™ LSX™ intake. Requires programmer.	Hyd.	Hyd.	2200 to 7200	54-428-11	XR281HR	281	283	228	230	.571	.573	112°
XFI™ XE-R HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – High rpm street/strip with XE-R lobe designs. Requires custom tuning.	Hyd.	Hyd.	2000 to 7000	54-444-11	XE-R273HR	273	279	224	230	.581	.588	114°
HYDRAULIC ROLLER – Xtreme Energy XE-R design for standard displacement LS6 and LS1. Race only applications.	Hyd.	Hyd.	2400 to 7200	54-446-11	XE-R281HR	281	283	232	234	.595	.598	112°
HYDRAULIC ROLLER – Xtreme Energy XE-R design for large cubic inch LS6 and LS1. Race only applications.	Hyd.	Hyd.	2800 to 7200	54-448-11	XE-R287HR	287	289	238	240	.605	.609	112°

LIGHTWEIGHT TOOL STEEL RETAINERS

The COMP Cams® Lightweight Tool Steel Retainers offer weight savings that rival titanium but with the durability of steel.

- 33% lighter than traditional steel retainers and only 2-4 grams heavier than titanium
- High-grade Tool Steel with enhanced surface finish; provisions for 10° locks
- Available in a variety of sizes and configurations to fit most popular springs



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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS			DUAL VALVE SPRING KITS	
					STEEL	TOTAL STEEL	TITANIUM	TOTAL STEEL	TITANIUM
									HYDRAULIC ROLLER CAMSHAFTS XFI™ RPM
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
									HYDRAULIC ROLLER CAMSHAFTS XFI™ RPM HI-LIFT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
									HYDRAULIC ROLLER CAMSHAFTS XFI™ XE-R
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT

11 Lifters only, does not include lifter retainers or guides
82 This kit includes hydraulic roller lifters
100 Kit includes 1.8 ratio rocker arms, for 1.7 ratio us Part #1500

RED NUMBERS ARE THE PREMIUM CHOICE

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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND#	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
XFI™ XTREME TRUCK HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – 4.8L/5.3L Chevrolet/GMC truck. Significant gains in mid and upper rpm range. Works best with programmer.	Hyd.	Hyd.	800 to 5000	54-450-11[7]	G3 XFI 260HR15	260	266	206	212	.515	.522	115°
HYDRAULIC ROLLER – 6.0L Chevrolet/GMC truck. Significant gains in mid and upper rpm range. Works best with programmer.	Hyd.	Hyd.	800 to 5200	54-452-11[7]	G3 XFI 266HR15	266	270	212	216	.520	.524	115°
HYDRAULIC ROLLER – 5.3L/6.0L Chevrolet/GMC truck. Significant gains in mid and upper rpm range. Exhaust upgrade needed for best performance. Needs programmer.	Hyd.	Hyd.	1000 to 5700	54-451-11[7]	G3 XFI 261HR15	261	265	208	212	.554	.558	115°
TRI-POWER XTREME™ HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Optimized fuel mileage with good torque and horsepower. Needs programmer.	Hyd.	Hyd.	800 to 5800	54-525-11[7]	TPX 246HR-17	246	258	194	206	.500	.493	117°
HYDRAULIC ROLLER – Exceptional torque with good hp and moderate fuel economy. Needs programmer.	Hyd.	Hyd.	1000 to 6000	54-530-11[7]	TPX 254HR-16	254	264	202	212	.507	.500	116°
HYDRAULIC ROLLER – Optimized hp with good torque and average fuel economy. Programmer required.	Hyd.	Hyd.	1200 to 6200	54-535-11[7]	TPX 262HR-15	262	270	210	218	.513	.507	115°
NEW – THUMPR™ HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Thumpr™ – High performance street, stock converter ok, best with 2000+ converter and gears, choppy/thumping idle.	Hyd.	Hyd.	2000 to 6400	54-600-11[7]	275THR9	275	295	219	233	.553	.536	109°
HYDRAULIC ROLLER – Mutha' Thumpr™ – High performance street/strip, needs 9:1 compression, 2500+ stall, intake, gears and headers, rough idle.	Hyd.	Hyd.	2300 to 6600	54-601-11[7]	283THR9	283	303	227	241	.563	.546	109°
HYDRAULIC ROLLER – Big Mutha' Thumpr™ – Street/strip, needs 9.5:1 compression, 2800+ stall, intake, gears and headers, very rough idle.	Hyd.	Hyd.	2600 to 6800	54-602-11[7]	291THR9	291	311	235	249	.573	.558	109°



THUMPR™ CAMS

The wildly popular Thumpr™ Cams feature specially engineered profiles to provide the perfect combination of an early intake valve opening, long exhaust duration and a generous amount of intake and exhaust overlap to maximize your engine's nasty idling characteristics without negatively impacting streetability.

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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS STEEL	BEEHIVE™ VALVE SPRING KITS TOTAL STEEL	BEEHIVE™ VALVE SPRING KITS TITANIUM	DUAL VALVE SPRING KITS TOTAL STEEL	DUAL VALVE SPRING KITS TITANIUM
HYDRAULIC ROLLER CAMSHAFTS XFI™ XTREME TRUCK									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS TRI-POWER XTREME™									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54050 54100 54200[82]	7955-16	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS THUMPR™									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT

7 Stock springs cannot be used
11 Lifters only, does not include lifter retainers or guides
82 This kit includes hydraulic roller lifters
100 Kit includes 1.8 ratio rocker arms, for 1.7 ratio us Part #1500

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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
LS$_R$™ CATHEDRAL PORT HYDRAULIC ROLLER CAMSHAFTS (SMALL DISPLACEMENT OR MAX TORQUE, 4.8L-5.3L)												
HYDRAULIC ROLLER – Very strong torque and excellent response. Works best in heavy vehicles, low rpm applications.	Hyd.	Hyd.	1300 to 6500	54-455-11[7]	265Lr HR12	265	273	215	233	.604	.610	112°
HYDRAULIC ROLLER – Excellent torque with a very broad power band. Great for street performance and drivability.	Hyd.	Hyd.	1500 to 6700	54-456-11[7]	269Lr HR12	269	277	219	227	.607	.614	112°
HYDRAULIC ROLLER – Steady power throughout broad range. Needs aftermarket airflow improvements on inlet and exhaust.	Hyd.	Hyd.	1700 to 6800	54-457-11[7]	273Lr HR12	273	281	223	231	.610	.617	112°
HYDRAULIC ROLLER – Good street/strip camshaft with wide range. Must have substantial airflow upgrades, inlet and exhaust.	Hyd.	Hyd.	1900 to 7000	54-458-11[7]	277Lr HR13	277	285	227	235	.614	.621	113°
NEW – LS$_R$™ CATHEDRAL PORT HYDRAULIC ROLLER CAMSHAFTS (ALL OUT POWER FOR 5.7L-6.2L)												
HYDRAULIC ROLLER – Very wide power range and excellent mid-range torque for LS engines with cathedral port cylinder heads.	Hyd.	Hyd.	2000 to 7000	54-459-11[7]	281LR HR13	281	289	231	239	.617	.624	113°
HYDRAULIC ROLLER – Very strong from mid-range to high end torque and horsepower for LS engines with cathedral port cylinder heads.	Hyd.	Hyd.	2200 to 7200	54-460-11[7]	285LR HR13	285	293	235	243	.621	.624	113°
HYDRAULIC ROLLER – Broad top end power range for high rpm, race only LS engines with aftermarket cathedral port cylinder heads and higher compression.	Hyd.	Hyd.	2400 to 7200	54-461-11[7]	289LR HR14	289	297	239	247	.624	.624	114°
HYDRAULIC ROLLER – Excellent top end and high rpm power for race style LS engines with aftermarket cathedral port cylinder heads.	Hyd.	Hyd.	2600 to 7200	54-462-11[7]	293LR HR14	293	301	243	251	.624	.624	114°
NEW – LS$_R$™ CATHEDRAL PORT HYDRAULIC ROLLER CAMSHAFTS (FOR LARGE DISPLACEMENT ONLY, 6.2L-7.4L)												
HYDRAULIC ROLLER – 400+c.i., high rpm applications with major modifications and cathedral port cylinder heads.	Hyd.	Hyd.	2400 to 7000	54-463-11[7]	297LRx HR14	297	305	247	255	.624	.624	114°
HYDRAULIC ROLLER – 420+c.i., high compression, high rpm, cathedral CNC-ported heads in race type applications	Hyd.	Hyd.	2600 to 7000	54-464-11[7]	301LRx HR15	301	309	251	259	.624	.624	115°
HYDRAULIC ROLLER – 440+c.i., purpose built applications focusing on power above 6000 rpm with cathedral port heads.	Hyd.	Hyd.	2800 to 7200	54-465-11[7]	305LRx HR15	305	313	255	263	.624	.624	115°
HYDRAULIC ROLLER – All out power for extreme displacement race application engines with cathedral port cylinder heads.	Hyd.	Hyd.	3000 to 7200	54-466-11[7]	309LRx HR15	309	317	259	267	.624	.624	115°

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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS			DUAL VALVE SPRING KITS	
					STEEL	TOTAL STEEL	TITANIUM	TOTAL STEEL	TITANIUM
HYDRAULIC ROLLER CAMSHAFTS (SMALL DISPLACEMENT OR MAX TORQUE, 4.8L-5.3L) LS_R™ CATHEDRAL PORT									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS (ALL OUT POWER FOR 5.7L-6.2L) LS_R™ CATHEDRAL PORT									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS (FOR LARGE DISPLACEMENT ONLY, 6.2L-7.4L) LS_R™ CATHEDRAL PORT									
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT

7 Stock springs cannot be used
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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

NEW – APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
LS_R™ RECTANGULAR PORT HYDRAULIC ROLLER CAMSHAFTS (ALL OUT POWER FOR 5.7L-6.2L)												
HYDRAULIC ROLLER-Excellent torque with a very broad power band. Great for street performance and drivability.	Hyd.	Hyd.	1500 to 6700	54-453-11	269LRR HR13	269	285	219	235	.607	.621	113°
HYDRAULIC ROLLER-Good street/strip camshaft with very wide range.	Hyd.	Hyd.	1900 to 7000	54-454-11	277LRR HR13	277	293	227	243	.614	.624	113°
HYDRAULIC ROLLER – Very wide power range & excellent mid-range torque for LS engines with rectangular port cylinder head.	Hyd.	Hyd.	2000 to 7000	54-469-11[7]	281LRR HR13	281	297	231	247	.617	.624	113°
HYDRAULIC ROLLER – Very strong from mid-range to high end torque & horsepower for LS engines with rectangular port cylinder heads.	Hyd.	Hyd.	2200 to 7200	54-470-11[7]	285LRR HR13	285	301	235	251	.621	.624	113°
HYDRAULIC ROLLER – Broad top end power range for high rpm, race only LS engines with aftermarket rectangular port heads and higher compression.	Hyd.	Hyd.	2400 to 7200	54-471-11[7]	289LRR HR14	289	305	239	255	.624	.624	114°
HYDRAULIC ROLLER – Excellent top end & high rpm power for race style LS engines with aftermarket rectangular port cylinder heads.	Hyd.	Hyd.	2600 to 7200	54-472-11[7]	293LRR HR14	293	309	243	259	.624	.624	114°
NEW – LS_R™ RECTANGULAR PORT HYDRAULIC ROLLER CAMSHAFTS (FOR LARGE DISPLACEMENT ONLY, 6.2L-7.4L)												
HYDRAULIC ROLLER – 400+c.i., high rpm applications with major modifications and rectangular port cylinder heads.	Hyd.	Hyd.	2400 to 7000	54-473-11[7]	297LRR HR14	297	313	247	263	.624	.624	114°
HYDRAULIC ROLLER – 420+c.i., high compression, high rpm, rectangular CNCported heads in race type applications.	Hyd.	Hyd.	2600 to 7000	54-474-11[7]	301LRR HR15	301	317	251	267	.624	.624	115°
HYDRAULIC ROLLER – 440+c.i., purpose built applications focusing on power above 6000 rpm with rectangular port heads.	Hyd.	Hyd.	2800 to 7200	54-475-11[7]	305LRR HR15	305	321	255	271	.624	.624	115°
HYDRAULIC ROLLER – All out power for extreme displacement race application engines with rectangular port cylinder heads.	Hyd.	Hyd.	3000 to 7200	54-476-11[7]	309LRR HR15	309	325	259	275	.624	.624	115°
NEW – LS_R™ CENTRIFUGAL BLOWER HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Strong mid-range power when used with a centrifugal blower.	Hyd.	Hyd.	2200 to 7000	54-477-11[7]	277LCB HR14	277	293	227	243	.614	.624	114°
HYDRAULIC ROLLER – Good high rpm power when used with a centrifugal blower.	Hyd.	Hyd.	2500 to 7200	54-478-11[7]	285LCB HR15	285	301	235	251	.621	.624	115°
HYDRAULIC ROLLER – Best cam for high rpm power in race application when using a centrifugal blower.	Hyd.	Hyd.	3000 to 7200	54-479-11[7]	293LCB HR16	293	309	243	259	.624	.624	116°
NEW – LS_R™ ROOTS BLOWER HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Best in street/strip LS applications equipped with a Roots type supercharger.	Hyd.	Hyd.	2400 to 7000	54-467-11[7]	289LRB HR14	289	293	239	243	.624	.624	114°
HYDRAULIC ROLLER – Designed for race applications with a Roots blower. Very strong high rpm power.	Hyd.	Hyd.	2700 to 7200	54-468-117	297LRB HR14	297	301	247	251	.624	.624	114°

Except as noted, not legal for sale or use on pollution-controlled motor vehicles

7 Stock springs cannot be used
11 Lifters only, does not include lifter retainers or guides

COMP CAMS

GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

HYDRAULIC ROLLER CAMSHAFTS (ALL OUT POWER FOR 5.7L-6.2L) LS$_R$™ RECTANGULAR PORT									
LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS STEEL	TOTAL STEEL	TITANIUM	DUAL VALVE SPRING KITS TOTAL STEEL	TITANIUM
850-16[11] 875-16[11]	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS (FOR LARGE DISPLACEMENT ONLY, 6.2L-7.4L) LS$_R$™ RECTANGULAR PORT									
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS LS$_R$™ CENTRIFUGAL BLOWER									
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16	3153KT	16755-KIT[100] 1501[100]	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT

82 This kit includes hydraulic roller lifters
100 Kit includes 1.8 ratio rocker arms, for 1.7 ratio us Part #1500
101 Kit includes 1.8 ratio rockers
Except as noted, not legal for sale or use on pollution-controlled motor vehicles

RED NUMBERS ARE THE PREMIUM CHOICE

GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

NEW – APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
LS$_R$™ TURBO HYDRAULIC ROLLER CAMSHAFTS (REMOTE MOUNT)												
HYDRAULIC ROLLER – Good responsiveness and excellent power when used with a remote mount turbo system.	Hyd.	Hyd.	2200 to 7000	54-480-11[7]	277LTB HR15	277	273	227	223	.614	.610	115°
HYDRAULIC ROLLER – High rpm street/strip applications using a remote mount turbo system.	Hyd.	Hyd.	2700 to 7200	54-481-11[7]	285LTB HR15	285	281	235	231	.621	.617	115°
NEW – XFI™ SOLID ROLLER MECHANICAL ROLLER CAMSHAFTS												
MECHANICAL ROLLER – High performance street, excellent torque and mid-range power. Programmer and valve spring upgrade required.	.016	.018	1800 to 6400	54-500-11[7]	XFI2700113	270	277	235	240	.646	.641	113°
MECHANICAL ROLLER – Street/strip, superb mid and upper rpm power. Intake upgrade recommended. Programmer and valve spring upgrade required.	.016	.018	2100 to 6700	54-501-11[7]	XFI278R113	278	285	243	248	.653	.648	113°
MECHANICAL ROLLER – High rpm street/ strip camshaft for large cubic inch Gen III applications. Intake upgrade strongly recommended. Programmer and valve spring upgrade required.	.016	.018	2400 to 7000	54-502-11[7]	XFI286R113	286	293	251	256	.660	.655	113°

GM LS GEN IV SINGLE-BOLT W/O VVT 8 CYL. 2005-PRESENT

NEW – APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
NEW – XFI™ HYDRAULIC ROLLER CAMSHAFTS												
HYDRAULIC ROLLER – Great street/strip camshaft for mid-range and high rpm power. Must have programmer.	Hyd.	Hyd.	1800 to 6800	146-426-11[7]	XR275HR13	275	287	222	234	.566	.576	113°
HYDRAULIC ROLLER – High rpm street/ strip camshaft for use with FAST™ LSX™ intake. Requires programmer.	Hyd.	Hyd.	2200 to 7200	146-428-11[7]	XR281HR13	281	293	228	240	.571	.590	113°
NEW – LS$_R$™ HYDRAULIC ROLLER CAMSHAFTS (TURBO REMOTE MOUNT)												
HYDRAULIC ROLLER-Good responsiveness and excellent power when used with a remote mount turbo system.	Hyd.	Hyd.	2200 to 7000	146-480-11[7]	277LTB HR15	277	273	227	223	.614	.610	115°
HYDRAULIC ROLLER-High rpm street/ strip applications using a remote mount turbo system.	Hyd.	Hyd.	2700 to 7200	146-481-11[7]	285LTB HR15	285	281	235	231	.621	.617	115°

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GM LS GEN III/IV THREE-BOLT 8 CYL. 1997-PRESENT

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS STEEL	BEEHIVE™ VALVE SPRING KITS TOTAL STEEL	BEEHIVE™ VALVE SPRING KITS TITANIUM	DUAL VALVE SPRING KITS TOTAL STEEL	DUAL VALVE SPRING KITS TITANIUM
HYDRAULIC ROLLER CAMSHAFTS (REMOTE MOUNT) LS_R™TURBO									
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	3153KT	16755-KIT[100] 1501[100]	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
MECHANICAL ROLLER CAMSHAFTS XFI™ SOLID ROLLER									
8956-16	3153KT	1500 1501[101]	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
8956-16	3153KT	1500 1501[101]	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
8956-16	3153KT	1500 1501[101]	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT

GM LS GEN IV SINGLE-BOLT W/O VVT 8 CYL. 2005-PRESENT

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSHRODS	BEEHIVE™ VALVE SPRING KITS STEEL	BEEHIVE™ VALVE SPRING KITS TOTAL STEEL	BEEHIVE™ VALVE SPRING KITS TITANIUM	DUAL VALVE SPRING KITS TOTAL STEEL	DUAL VALVE SPRING KITS TITANIUM
HYDRAULIC ROLLER CAMSHAFTS XFI™									
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926 TI-KIT
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	54100 54200[82]	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
HYDRAULIC ROLLER CAMSHAFTS (TURBO REMOTE MOUNT) LS_R™									
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT

7 Stock springs cannot be used
11 Lifters only, does not include lifter retainers or guides
82 This kit includes hydraulic roller lifters
100 Kit includes 1.8 ratio rocker arms, for 1.7 ratio us Part #1500
101 Kit includes 1.8 ratio rockers

RED NUMBERS ARE THE PREMIUM CHOICE

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GM LS GEN IV SINGLE-BOLT W/O VVT 8 CYL. 2005-PRESENT

LS_R™ HYDRAULIC ROLLER CAMSHAFTS

NEW – APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
HYDRAULIC ROLLER – Excellent torque with a very broad power band. Great for street performance and drivability.	Hyd.	Hyd.	1500 to 6700	146-456-11[7]	269LrR HR13	269	285	219	235	.607	.621	113°
HYDRAULIC ROLLER – Good street/strip camshaft with wide range.	Hyd.	Hyd.	1900 to 7000	146-458-11[7]	277LrR HR13	277	293	227	243	.614	.624	113°
HYDRAULIC ROLLER – Very strong from mid-range to high end torque & hp for single-bolt LS3.	Hyd.	Hyd.	2200 to 7200	146-460-11[7]	285LrR HR13	285	301	235	251	.621	.624	113°
HYDRAULIC ROLLER – Broad top end power range for high rpm race only, single-bolt LS3 applications.	Hyd.	Hyd.	2400 to 7200	146-461-11[7]	289LrR HR14	289	305	239	255	.624	.624	114°
HYDRAULIC ROLLER – Excellent top end and high rpm power for race applications using the single-bolt LS3.	Hyd.	Hyd.	2600 to 7200	146-462-11[7]	293LrR HR14	293	309	243	259	.624	.624	114°

GM LS GEN IV SINGLE-BOLT W/ VVT 8 CYL. 2005-PRESENT

NEW – XFI™ SPR HYDRAULIC ROLLER CAMSHAFTS

APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
HYDRAULIC ROLLER – Excellent responsiveness and low end torque with good power gains.	Hyd.	Hyd.	1300 to 6500	156-400-13[7]	263PHR14	263	277	210	224	.556	.568	114°
HYDRAULIC ROLLER – Substantial power and torque gains across the board.	Hyd.	Hyd.	1600 to 6700	156-401-13[7]	267PHR14	267	281	214	228	.559	.571	114°
HYDRAULIC ROLLER – Substantial power and torque gains across the board.	Hyd.	Hyd.	1800 to 6900	156-402-13[7]	271PHR14	271	285	218	232	.563	.575	114°
HYDRAULIC ROLLER – Best choice for maximum power in aftermarket/CNC head applications.	Hyd.	Hyd.	2000 to 7100	156-403-13[7]	275PHR14	275	289	222	236	.566	.578	114°

GM LS GEN IV SINGLE-BOLT W/ VVT & AFM 8 CYL. 2005-PRESENT

NEW – XFI™ SPR HYDRAULIC ROLLER CAMSHAFTS

APPLICATION / CAMSHAFTS	VALVE SETTING IN.	VALVE SETTING EX.	RPM OPERATING RANGE	CAMSHAFT PART #	CAM GRIND #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @ .050% IN.	DURATION @ .050% EX.	VALVE LIFT W/ 1.7 ROCKER IN.	VALVE LIFT W/ 1.7 ROCKER EX.	LOBE SEP. ANGLE
HYDRAULIC ROLLER-Substantial power and torque gains across the power range.	Hyd.	Hyd.	1600 to 6700	156-421-13	266PHR14	278 266	290 278	216 214	228 226	.500	.500	114°
HYDRAULIC ROLLER-Extremely strong from 4500 rpms to 6900. Slightly noticeable idle.	Hyd.	Hyd.	1800 to 6900	156-422-13	270PHR15	282 270	294 282	220 218	232 230	.500	.500	115°
HYDRAULIC ROLLER-Extremely strong from 4500 rpms to 6900. Slightly noticeable idle.	Hyd.	Hyd.	2000 to 7100	156-423-13	274PHR16	286 274	298 296	224 222	236 234	.500	.500	116°

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GM LS GEN IV SINGLE-BOLT W/O VVT 8 CYL. 2005-PRESENT

HYDRAULIC ROLLER CAMSHAFTS LS$_R$™

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSH-RODS	BEEHIVE™ VALVE SPRING KITS			DUAL VALVE SPRING KITS	
					STEEL	TOTAL STEEL	TITANIUM	TOTAL STEEL	TITANIUM
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 875-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT
850-16[11] 15850-16[11] 15956-16[11]	7106	16765-KIT[101] 1521	N/A	7955-16	N/A	N/A	N/A	26926TS-KIT	26926TI-KIT

GM LS GEN IV SINGLE-BOLT W/ VVT 8 CYL. 2005-PRESENT

HYDRAULIC ROLLER CAMSHAFTS XFI™ SPR

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSH-RODS	BEEHIVE™ VALVE SPRING KITS			DUAL VALVE SPRING KITS	
					STEEL	TOTAL STEEL	TITANIUM	TOTAL STEEL	TITANIUM
N/A	5456	16765-KIT[101] 1521	54100	N/A	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
N/A	5456	16765-KIT[101] 1521	54100	N/A	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
N/A	5456	16765-KIT[101] 1521	54100	N/A	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
N/A	5456	16765-KIT[101] 1521	54100	N/A	26918CS-KIT	26918TS-KIT	26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT

GM LS GEN IV SINGLE-BOLT W/ VVT & AFM 8 CYL. 2005-PRESENT

HYDRAULIC ROLLER CAMSHAFTS XFI™ SPR

LIFTERS	TIMING SET	ROCKER ARMS & KITS	RPM KITS	PUSH-RODS	BEEHIVE™ VALVE SPRING KITS			DUAL VALVE SPRING KITS	
					STEEL	TOTAL STEEL	TITANIUM	TOTAL STEEL	TITANIUM
N/A	5456	16765-KIT[101] 1521	54100	N/A	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
N/A	5456	16765-KIT[101] 1521	54100	N/A	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT
N/A	5456	16765-KIT[101] 1521	54100	N/A	26915CS-KIT 26918CS-KIT	26915TS-KIT 26918TS-KIT	26915TI-KIT 26918TI-KIT	26925TS-KIT 26926TS-KIT	26925TI-KIT 26926TI-KIT

7 Stock springs cannot be used
11 Lifters only, does not include lifter retainers or guides
82 This kit includes hydraulic roller lifters

100 Kit includes 1.8 ratio rocker arms, for 1.7 ratio us Part #1500
101 Kit includes 1.8 ratio rockers

RED NUMBERS ARE THE PREMIUM CHOICE

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COMP CAMS TIMING SETS

ADJUSTABLE TIMING SETS – BILLET GEARS, +/-6 DEG CAM SPROCKET, +/-4 DEG CRANK SPROCKET	
PART #	DESCRIPTION
3158KT	LS Single Chain Hex Adjust Type for 3 Bolt Cam, 1 Pole Reluctor (24X)
3172KT	LS Single Chain Hex Adjust Type for 3 Bolt Cam, 4 Pole Reluctor (58X)
3167KT	LS7 Single Chain Hex Adjust Type for 3 Bolt Cam, 4 Pole Reluctor (58X)



9 KEYWAY ADJUSTABLE BILLET TIMING SETS – BILLET GEARS, +/- 8 DEG ADVANCE	
PART #	DESCRIPTION
7107	LS Single Chain 9 Keyway for 1 bolt cam, 4 Pole Reluctor (58X)
7102	Gen III LS2 (early Model with 24X only)
7105	LS2 (Single Bolt)
7106	LS3 9 Keyway for 3 Bolt cam, 4 Pole Reluctor (58X)



GM LS TIMING SETS FOR RHS/LSX RAISED CAM BLOCKS	
PART #	DESCRIPTION
9158KT	LS Single Chain Hex Adjust Type for 3 Bolt Cam, 1 Pole Reluctor (24X)
9172KT	LS Single Chain Hex Adjust Type for 3 Bolt Cam, 4 Pole Reluctor (58X)
9673T3	LS Single Chain 3 Keyway 3 Bolt Cam, 4 Pole Reluctor (58X)
9658T3	LS Single Chain 3 Keyway 3 Bolt Cam, 1 Pole Reluctor (24X)
9672T3	LS Single Chain 3 Keyway 1 Bolt Cam, 4 Pole Reluctor (58X)
9673T9	LS 9 Keyway for 1 Bolt Cam. 4 Pole Reluctor (58X)
9658T9	LS 9 Keyway for 3 Bolt Cam. 1 Pole Reluctor (24X)
9672T9	LS 9 Keyway for 1 Bolt Cam. 4 Pole Reluctor (58X)
3173KT	LS Double Chain Hex Adjust for 3 bolt Cam, 1 Pole Reluctor (24X)
3154	LS Double Chain 3 Keyway for 3 Bolt Cam, 1 Pole Reluctor (24X)
9167KT	LS7 Single Chain Hex Adjust for 3 Bolt Cam, 4 Pole Reluctor (58X) 1 pc oil cog w gear
9667T3	LS7 Single Chain 3 Keyway for 3 Bolt Cam, 4 Pole Reluctor (58X)





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COMP CAMS LIFTERS

If you're looking for the ultimate lifter to withstand even the most demanding racing conditions, look no further. The COMP Cams® new Elite Race™ Solid Roller Lifters feature a host of advantages over competing race lifter designs, including an SAE 8620 steel alloy body that is CNC-machined and REM-finished, SAE 9310 steel alloy wheels that are micro-polished and micro-sized, and needles that are made from 52100 bearing steel and micro-sorted with a controlled contour profile.



PART #	DESCRIPTION
98956-16	Elite Race Solid Roller Lifters, 8 Pairs, .842" Diameter
98954-16	Elite Race Solid Roller Lifters, 8 Pairs, .875" Diameter
98952-16	Elite Race Solid Roller Lifters, 8 Pairs, .904" Diameter



Endure-X™ Lifters are fully heat-treated, machined to ultra-high tolerances are fully rebuildable and are available for a wide variety of applications, including small base circle and offset applications. EDM technology guarantees the bearing assembly receives a constant flow of pressurized oil.

PART #	DESCRIPTION
8956-16	Endure-X Solid Roller Lifters, 8 Pairs, LS1/2/6, .842" Diameter
8958-16	Endure-X Solid Roller Lifters, 8 Pairs, LSX/Warhawk Block, .842" Diameter

Short Travel Hydraulic Roller Lifters from COMP Cams® are engineered specifically to perform at higher engine speeds by keeping the internal movement to a minimum.



PART #	DESCRIPTION
875-16	Short Travel Hydraulic Roller Lifters, Set of 16, OE Type, 122g, 2.60" Seat Height
15850-16	Short Travel Hydraulic Roller Lifters, Set of 16, OE Type, 132g, 2.66" Seat Height

Check out ENGINETECH on your favorite social networks!

COMP CAMS ROCKER ARMS

PART #	DESCRIPTION
19024-16	ULTRA-GOLD ARC SERIES ROCKER ARMS, SET OF 16, 1.72 RATIO, 8mm STUD
19025-16	ULTRA-GOLD ARC SERIES ROCKER ARMS, SET OF 16, 1.82 RATIO, 8mm STUD



PART #	DESCRIPTION
1675-16	ULTRA PRO MAGNUM ROCKER ARMS, SET OF 16, LS1/6, 1.8 RATIO, 3/8 STUD,
1676-16	ULTRA PRO MAGNUM ROCKER ARMS, SET OF 16, LS3, 1.8 RATIO, 3/8 SUTD



PART #	DESCRIPTION
1500	SHAFT MOUNT ROCKER SYSTEM, 2 SETS, LS1/2/6, CATHEDRAL PORT, 1.7 RATIO
1501	SHAFT MOUNT ROCKER SYSTEM, 2 SETS, LS1/2/6, CATHEDRAL PORT, 1.8 RATIO
1521	SHAFT MOUNT ROCKER SYSTEM, 2 SETS, LS3/L92, RECTANGLE PORT, .215 OFFSET, 1.7 RATIO
11523	SHAFT MOUNT ROCKER SYSTEM, 2 SETS, LS7, 1.8 RATIO



SCORPION ROCKER ARMS

PART #	DESCRIPTION
SCP1098	RACE SERIES ROCKER ARMS, SET OF 16, LS1/2/6, 1.7 RATIO
SCP1099	RACE SERIES ROCKER ARMS, SET OF 16, LS1/2/6, 1.8 RATIO
SCP1063	RACE SERIES ROCKER ARMS, SET OF 16, LS3/9/L92, 1.7 RATIO
SCP1065	RACE SERIES ROCKER ARMS, SET OF 16, LS3/9/L92, 1.8 RATIO



T&D COMPETITION ROCKER ARMS

COMPETITION ROCKER ARMS

PART #	DESCRIPTION
20042	T&D 8620 STEEL ROCKER ARMS, SET OF 16, LS1/2/6, 1.7-1.8 RATIO, 1.450 LENGTH
20044	T&D 8620 STEEL ROCKER ARMS, SET OF 16, GM LS3/9/L92, 1.7-1.8 RATIO, 1.450 LENGTH
20047	T&D 8620 STEEL ROCKER ARMS, SET OF 16, LS1 TRICKFLOW, 1.7-1.8 RATIO, 1.450 LENGTH
2008	T&D 8620 STEEL ROCKER ARMS, SET OF 16, LS7, 1.7-1.8 RATIO, 1.600 LENGTH
2180	T&D 8620 STEEL ROCKER ARMS, SET OF 16, WARHAWK LS7, 1.7-1.8 RATIO, 1.600 LENGTH



PART #	DESCRIPTION
90097	HOWARDS OE ROCKER ARMS, SET OF 16, LS1/2/6, 1.7 RATIO
90098	HOWARDS OE ROCKER ARMS, SET OF 16, LS1/2/6, 1.8 RATIO
90095	HOWARDS OE ROCKER ARMS, SET OF 16, LS3/L92, 1.7 RATIO
90096	HOWARDS OE ROCKER ARMS, SET OF 16, LS3/L92, 1.8 RATIO



PERFORMANCE

CHEVROLET PERFORMANCE LS1 FRONT DRIVE DISTRIBUTOR COVER KIT

Kit includes front cover, fuel pump eccentric, distributor drive gear kit assembly, adapter unit with color-coded spacers, assembly bolts, and front cover seal. Distributor and mechanical fuel pump not included. Uses Small-Block Ford-style distributor and mechanical fuel pump. Special water pump, accessory drive and damper required.

ADDITIONAL REQUIRED PARTS	
PART #	DESCRIPTION
MSD-8382, MSD-8579	Equivalent, Requires Coil and MSD6AL Controller for HEI use Proform 66969R
9860	Mr Gasket Distributor Hold Down Clamp
6904	Carter Fuel Pump Street
60454	Street/Strip
60968	Race
50025L	Water Pump
916045	Steel
916099	Aluminum ATI Crank Hub
918993	ATI Drill Fixture Kit



SPRINT CAR FRONT DRIVE KIT FOR LS

Sprint Cars equipped with LS engine technology now have a gear drive made just for them. Designed for the Racing Head Service® LS Race Block, the new COMP Cams® Sprint Car Front Drive Kit for LS Engines bolts directly to the existing engine block with no new parts to buy or modifications needed. The only Sprint Car style gear drive on the market, this kit is also used to mount Sprint Car style oil pumps, water pumps and magnetos. There is no need for new pumps, as the kit is designed to work with the current standard pumps, including those currently running on Small Block Chevys that can be switched over to the LS. Meanwhile, the kit also features oil passages that provide oiling directly to the gears and bearings, and the gears themselves are designed from 9310 premium steel. The kit utilizes integrated adapters for AN fittings on water passages, and the cover is cast from aluminum and CAD designed to be both lightweight and extremely strong. Finally, the kit features integrated optional cam and crank sensors. Designed and proven for racing duty, the COMP Cams® Sprint Car Front Drive Kit For LS Engines is the first and only fully engineered, bolt-on assembly providing proper and reliable solution for cam thrust bearings, distributor/magneto, oil pump, water pump, camshaft/crank timing and gear drive.

PART #	DESCRIPTION
5940	For RHS LS Block
5941	For GM LS Block



The LS Covers feature provisions for a timing pointer, OEM camshaft sensor and any regular SBC crank trigger. The covers easily fit double roller timing chains and high pressure/volume oil pumps, and they come with a gasket and crank seal; no modifications needed.

PART #	DESCRIPTION
5496	Comp Cams LS1/LS2/LS3/LS6 Timing Cover (Fits RHS or GM Block)
5497	Comp Cams LS7



COMP CAMS BILLET GM LS BELT TENSIONERS

The GM LS engines with the factory spring loaded belt tensioners become prone to throwing belts when used in performance applications and with aftermarket balancers. These bolt-on Billet LS Belt Tensioners are a fully adjustable solution for controlling potentially damaging resonance and maintaining desired belt tension.

PART #	DESCRIPTION
54021	LS1/2/3/6/7 Adjustable Belt Tensioner w/ Idler pulley for passenger Cars (Will not work with Trucks)
54025	GM LS1 Adjustable Belt Tensioner, 1998-02 F-Body



COMP CAMS CAM LS PHASER LIMITER KITS

PART #	DESCRIPTION
5456	GM Gen IV 2007-08 VVT Cam Phaser Limiter Kit
5454	GM Gen IV 2007-Present VVT Cam Phaser Limiter Tool
5455	Gen IV 2007-Present VVT Cam Phaser Limiter Spring Lock Tool
5457	Gen IV 2007-2008 VVT Cam Phaser Limiter Plug
5460	GM Gen IV 2009-Present VVT Cam Phaser Limiter Kit
5459	Gen IV 2009-Present VVT Cam Phaser Limiter Plug



O.E. STYLE PERFORMANCE HYDRAULIC ROLLER LIFTERS



PART #	DESCRIPTION
91113	GM Gen III (LS-Series)

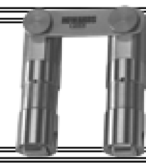
O.E. STYLE VARIABLE DURATION HYDRAULIC ROLLER LIFTERS



91113FB	GM Gen III (LS-Series)

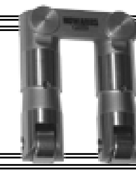
STREET SERIES RETRO-FIT HYDRAULIC ROLLER LIFTERS

Note: Specifically designed for street applications to 6500 rpm.



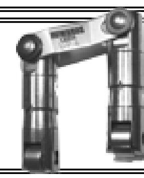
91166	GM Gen III (LS-Series)

RACE SERIES VERTICAL BAR HYDRAULIC ROLLER LIFTERS - All new proprietary hydraulic valving specifically designed for continuous operation to 6600 rpm. With ideal seat pressures between 150-160 lbs.



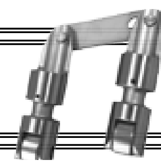
91156	GM Gen III (LS-Series)

HIGH RPM HYDRAULIC ROLLER LIFTERS Designed to operate at rpm ranges over 7000 rpm. **Note:** Spring pressure requirements for these lifters are 200-225 lbs. seat pressure, 500-575 lbs. open pressure. Specific lash adjustments are also required. Sets of 8 pr.



91175	GM Gen III (LS-Series)

MAX EFFORT MECHANICAL ROLLER LIFTERS



91177	GM Gen III (LS-Series)

GM GEN III/IV DIRECT BOLT-ON ROLLER ROCKERS

These roller rocker kits are a direct bolt-on for the OE rocker arms on most. GM Gen III engines. No need for changing of pushrods, guide plates or rocker studs. No need for valve cover spacers. They feature needle bearing fulcrums and roller tips, centerless ground trunnions, centerless ground pins and rollers. Available with stock 1.70 ratio or high lift 1.80. Lifetime Warranty to the original purchaser (with proof of purchase)! Made in the USA. Sets of 16.

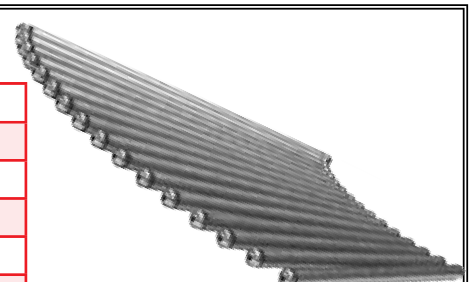


PART #	DESCRIPTION
Gen III 90097	GM Gen III 1.70 (LS1, LS2, LS6, LS364/400 & LQ9)
Gen III 90098	GM Gen III 1.80 (LS1, LS2, LS6, LS364/400 & LQ9)

PART #	DESCRIPTION
Gen IV 90095	GM Gen IV 1.70 (LS3 & L92)
Gen IV 90096	GM Gen IV 1.80 (LS3 & L92)

PERFORMANCE SERIES C1010 PUSHRODS

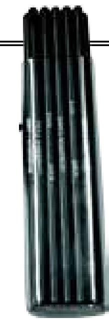
.060 wall C1010 material. Heat treated for use with guide plates. Designed for spring pressures up to 500 lbs.



PART #	DESCRIPTION
5/16 C1010 Pushrods (sets of 16)	
95200	7.144 (Chev SB HRC Retro-Fit)
95201	7.205 (OE Hyd. Roller)
95203	7.700
95204	7.750
95204	7.800 (Chev SB, std. length)

PART #	DESCRIPTION
5/16 C1010 Pushrods (sets of 16)	
95206	7.850
95207	7.900 (Chev SB, +.100 length)
95208	7.950
95209	8.000
95210	8.050

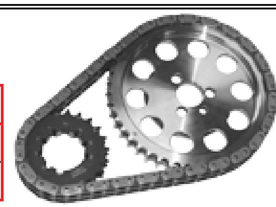
.080 WALL SWEDGED END PUSHRODS **5/16 Swedged End Pushrods** (sets of 16)



PART #	DESCRIPTION
95007	5/16, 6.800 (Ford SB, std. length)
95020	5/16, 7.100
95021	5/16, 7.150 (Chev SB HRC Retro-Fit)
95022	5/16, 7.200 (OE Hyd. Roller)
95023	5/16, 7.300
95018	5/16, 7.400 (LS1, std. length)

PART #	DESCRIPTION
95008	5/16, 7.700
95009	5/16, 7.750
95010	5/16, 7.800 (Chev SB, std. length)
95011	5/16, 7.850
95012	5/16, 7.900 (Chev SB, +.100 length)

DOUBLE ROLLER BILLET STEEL TIMING SETS 9-keyways. .250 diameter seamless roller. **Note:** No machining required.



PART #	DESCRIPTION
94308	Chevrolet Gen III 97-05, LS1/6 3-Bolt, with Roller Thrust Bearing, 9-Keyway
94304	Chevrolet Gen III 05-present, LS2/LSR/LR4 Single-Bolt, with Roller Thrust Bearing, 9-Keyway

PART #	STYLE	OUTER O.D.	OUTER I.D.	DAMPER	CLOSED PRESSURE	OPEN PRESSURE	RATE	MAX LIFT	COIL BIND	STEEL RETAINER
98115	Inverted Conical Ovate	1.055/1.289	.660/.880	N	102 @ 1.800	260 @ 1.200	265	.600	1.150	97161

INVERTED CONICAL VALVE SPRINGS Gen III (LS1/2/6)

PART #	STYLE	LOWER O.D.	TOP O.D.	LOWER I.D.	TOP I.D.	DAMPER	CLOSED PRESSURE	OPEN PRESSURE	RATE	MAX LIFT
98115	Inverted Conical Ovate	1.289	1.055	.880	.660	N	102 @ 1.800	260 @ 1.200	265	.600
98113	Inverted Conical	1.280	1.035	.900	.650	N	108 @ 1.800	329 @ 1.265	412	.600
98113	Inverted Conical	1.280	1.035	.900	.650	N	108 @ 1.800	345 @ 1.225	412	.600
98117	Inverted Conical	1.450	1.295	1.014	.859	N	118 @ 1.950	375 @ 1.380	457	.580

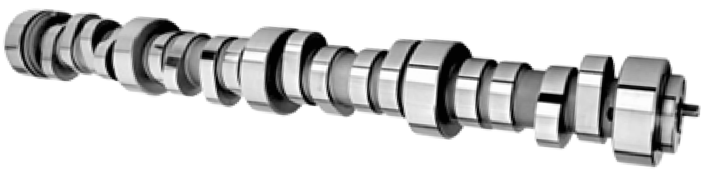
COIL BIND	TITANIUM RETAINER	STEEL RETAINER
1.150	—	97161
1.150	—	97161
1.150	—	97161
1.320	97214	97112/97132

GM GEN III (LS1/2/6) DUAL VALVE SPRINGS

GM Gen III LS1, LS2 and LS6 performance applications. .640 max lift. Sets of 16.

PART #	STYLE	OUTER O.D.	OUTER I.D.	INNER O.D.	INNER I.D.	DAMPER	CLOSED PRESSURE	OPEN PRESSURE	RATE	MAX LIFT
98116	Dual	1.290	.955	.950	.830	N	135 @ 1.800	355 @ 1.150	340	.640
98118	Dual	1.295	.935	.935	.667	N	148 @ 1.800	413 @ 1.150	407	.660

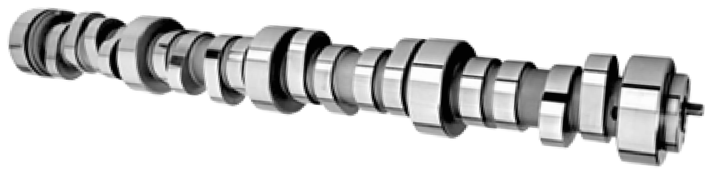
COIL BIND	TITANIUM RETAINER	STEEL RETAINER	SEAT CUP/LOCATOR
1.100	97165	97162	96023
1.060	97165	—	96023



CAMSHAFTS

CHEVROLET GEN III • LS-SERIES 3-BOLT 1997-PRESENT

CAM PART #	CAM & LIFTER SET PART #	DURATION ADVERTISED		DURATION @.050		VALVE LIFT w/1.70 Rockers		LOB SEPARATION ANGLE	INTAKE CENTERLINE	VALVE LASH		NOTES
		IN.	EX.	IN.	EX.	IN.	EX.			IN.	EX.	
Hydraulic Roller Camshafts												
190315-14	NA	260	264	210	214	.595	.598	114	110	Hyd.	Hyd.	1
1000-5800 High lift short duration design, Great throttle response.												
190235-14	NA	269	278	216	224	.551	.551	114	110	Hyd.	Hyd.	1
1200-6200 Aggressive Street/Strip, upper torque & horsepower.												
190275-17	NA	272	278	216	224	.553	.553	117	113	Hyd.	Hyd.	1
1400-6400 Street/Strip, Great mid to upper end power. 9.5:1+ CR.												
190255-13	NA	270	270	218	218	.604	.604	113	109	Hyd.	Hyd.	1,12
1500-6500 Good drivability with great mid range power.												
190395-13	NA	268	274	218	224	.604	.612	113	109	Hyd.	Hyd.	1,12
1600-6600 Great mid range performance with top end power.												
190295-12	NA	271	275	218	224	.604	.604	112	108	Hyd.	Hyd.	1,12
1600-6600 Mid range to top end power & torque. Nice throttle response.												
197245-12	NA	267	276	219	228	.525	.525	112	108	Hyd.	Hyd.	12
1700-6700 Our version of the GM Hot cam. Advanced lobe design for increased performance.												
190225-13	NA	272	272	222	222	.561	.561	113	109	Hyd.	Hyd.	1,12
1800-6500 Street/Strip power. Great mid range with top end performance.												
190245-12	NA	272	281	222	225	.561	.578	112	108	Hyd.	Hyd.	1,12
1800-6600 Street/Strip applications, mid-range torque & horsepower.												
190285-13	NA	274	274	224	224	.612	.612	113	109	Hyd.	Hyd.	1,12
1800-6800 Street/Strip performance, Good mid range power. Needs good heads.												
190375-12	NA	274	280	224	230	.609	.604	112	108	Hyd.	Hyd.	1,12
1800-6800 Broad power range. Best with Cathedral Port heads & aftermarket intake.												
190385-12	NA	274	286	224	234	.612	.638	112	108	Hyd.	Hyd.	1,12
1800-7000 Aggressive Street/Strip, also great with small blower or NOS.												
190385-15	NA	274	286	224	234	.612	.638	115	111	Hyd.	Hyd.	12
1800-7000 Aggressive Street/Strip, ideal for supercharged or NOS applications.												
190735-13	NA	274	274	226	226	.525	.525	113	109	Hyd.	Hyd.	1,12
1900-7100 Street/Strip, Good mid & upper range torque & performance.												
190325-12	NA	281	284	226	232	.578	.587	112	108	Hyd.	Hyd.	1,12
2000-7200 Aggressive Street/Strip, upper torque & horsepower. Needs good heads.												
190325-15	NA	281	284	226	232	.578	.587	115	111	Hyd.	Hyd.	12
2000-7200 Aggressive Street/Strip, upper torque & horsepower.												
197715-10	NA	274	285	226	236	.525	.525	110	106	Hyd.	Hyd.	12
2000-7400 Our version of the GM ASA cam. Advanced lobe design for increased performance.												
197715-13	NA	274	285	226	236	.525	.525	113	109	Hyd.	Hyd.	1,12
1900-7300 Same as #197715-10 w/wider separation for easier tunability & smoother power band.												
190965-13	NA	278	280	230	232	.625	.625	113	109	Hyd.	Hyd.	1,12
2200-7500 Competition, Great mid range torque and power. Good heads, 2500+ stall.												
190335-13	NA	278	294	230	246	.625	.625	113	109	Hyd.	Hyd.	1,12
2200-7200 Hot Street/Strip. Great mid range performance. Best with Cathedral Port heads.												
190345-13	NA	278	297	230	250	.625	.625	113	109	Hyd.	Hyd.	1,12
2200-7200 Hot Street/Strip with blower or large NOS system. Big mid range power.												



CAMSHAFTS

CHEVROLET GEN III • LS-SERIES 3-BOLT 1997-PRESENT(cont.)

CAM PART #	CAM & LIFTER SET PART #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @.050 IN.	DURATION @.050 EX.	VALVE LIFT w/1.70 Rockers IN.	VALVE LIFT w/1.70 Rockers EX.	LOB SEPARATION ANGLE	INTAKE CENTERLINE	VALVE LASH IN.	VALVE LASH EX.	NOTES
190355-12	NA	280	284	232	236	.625	.625	112	108	Hyd.	Hyd.	1,12
2200-7200 Fair idle, Excellent mid range performance. 2500+ stall, 10.5:1 CR, 3.70-4.20 gear.												
190905-12	NA	287	290	236	238	.612	.604	112	108	Hyd.	Hyd.	1,12
2400-7400 Large cubic inch, Race only applications. Needs aftermarket intake, 2500+ stall.												
190265-10	NA	287	295	236	242	.612	.612	110	106	Hyd.	Hyd.	1,12
2600-7200 Hot Street/Strip. Great mid range torque. 2800+ stall, 11.0:1+ CR, better heads/intake.												
190265-13	NA	287	295	236	242	.612	.612	113	109	Hyd.	Hyd.	1,12
2600-7200 Large cubic inch, Race only applications. Needs aftermarket heads & intake, higher CR.												
190405-13	NA	288	295	240	248	.625	.625	113	109	Hyd.	Hyd.	1,12
2800-7200 Broad top end power. Needs aftermarket heads & intake, plus higher CR.												
190305-15	NA	290	290	242	242	.625	.625	115	111	Hyd.	Hyd.	1,12
2800-7400 Competition, large cubic inch. Needs aftermarket heads & intake, plus higher CR.												
199995	NA	Custom Grind Camshaft								Hyd.	Hyd.	1,12
Hydraulic Roller Special Order Camshaft.												

CHEVROLET GEN III • LS-SERIES 3-BOLT 1997-PRESENT

CAM PART #	CAM & LIFTER SET PART #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @.050 IN.	DURATION @.050 EX.	VALVE LIFT w/1.70 Rockers IN.	VALVE LIFT w/1.70 Rockers EX.	LOB SEPARATION ANGLE	INTAKE CENTERLINE	VALVE LASH IN.	VALVE LASH EX.	NOTES
Mechanical Roller Camshafts												
199993	NA	Custom Grind Camshaft										1,12
Mechanical Roller Special Order Camshaft.												

CHEVROLET GEN IV • LS-SERIES SINGLE-BOLT 2005-PRESENT WITHOUT VVT

CAM PART #	CAM & LIFTER SET PART #	DURATION ADVERTISED IN.	DURATION ADVERTISED EX.	DURATION @.050 IN.	DURATION @.050 EX.	VALVE LIFT w/1.70 Rockers IN.	VALVE LIFT w/1.70 Rockers EX.	LOB SEPARATION ANGLE	INTAKE CENTERLINE	VALVE LASH IN.	VALVE LASH EX.	NOTES
Hydraulic Roller Camshafts												
190976-12	NA	272	284	222	232	.561	.586	112	108	Hyd.	Hyd.	1,12
1800-6800 Street/Strip applications, mid-range torque & horsepower.												
190536-16	NA	275	274	228	224	.625	.612	116	114	Hyd.	Hyd.	1,12
2000-6800 Street, Street/Strip Turbo'd (remote) applications. Strong mid range torque. 2000+ stall.												
190496-12	NA	279	289	228	238	.588	.604	112	108	Hyd.	Hyd.	1,12
2200-7000 Street/Mild Race, Broad torque range. Great mid range performance.												
190916-16	NA	284	280	236	232	.625	.625	116	114	Hyd.	Hyd.	1,12
2600-7200 Street/Strip Turbo'd (remote) applications. Strong mid & upper rpm performance.												
190806-12	NA	284	297	236	250	.625	.625	112	108	Hyd.	Hyd.	1,12
2400-7200 Aggressive Street/Competition, Good mid to upper end horsepower. 2500+ stall.												
190866-13	NA	288	304	240	256	.625	.625	113	109	Hyd.	Hyd.	1,12
2600-7200 Competition, Great top end power. 2800+ stall, aftermarket intake & better heads.												
190926-13	NA	292	307	244	260	.625	.625	113	109	Hyd.	Hyd.	1,12
2800-7400 Competition, large cubic inch. Great high rpm power. 3000+ stall.												
199996	NA	Custom Grind Camshaft								Hyd.	Hyd.	1,12
Mechanical Roller Special Order Camshaft.												

Notes: master note list on page 96
1 Stock (O.E.) valve springs cannot be used. **12** Requires custom programmer/tuning.

MAHLE

Driven by performance

Mahle LS Pistons

PART #		BORE	STROKE	ROD LENGTH	CH	Pin	Weight G	66cc	64cc	72cc	Alloy
LS1/2/6 Flat Top – 1.5, 1.5, 3.0mm File Fit Performance Ring Set Included											
LS1340898F04	346	3.898	3.622	6.098	1.340	0.945	394	9.9	10.1	9.3	4032
LS1340905F04	347	3.905	3.622	6.098	1.340	0.945	398	9.9	10.1	9.3	4032
LS1340908F04	348	3.908	3.622	6.098	1.340	0.945	398	9.9	10.1	9.3	4032
LS1340000F04	364	4.000	3.622	6.098	1.340	0.945	398	10.3	10.5	9.6	4032
LS1340005F04	365	4.005	3.622	6.098	1.340	0.945	399	10.3	10.5	9.7	4032
LS1340010F04	366	4.010	3.622	6.098	1.340	0.945	398	10.3	10.6	9.7	4032
LS1340030F04	370	4.030	3.622	6.098	1.340	0.945	404	10.4	10.7	9.8	4032
LS1330800F04	329	3.800	3.622	6.098	1.330	0.945	400	9.5	9.7	8.9	4032
LS1314898F04	346	3.898	3.622	6.125	1.314	0.927	388	9.9	10.1	9.3	4032
LS1314905F04	347	3.905	3.622	6.125	1.314	0.927	390	9.9	10.1	9.3	4032
LS1314908F04	348	3.908	3.622	6.125	1.314	0.927	392	9.9	10.1	9.3	4032
LS1314005F04	365	4.005	3.622	6.125	1.314	0.927	398	10.3	10.5	9.7	4032
LS1314030F04	370	4.030	3.622	6.125	1.314	0.927	409	10.4	10.7	9.8	4032
LS1105005F04	403	4.005	4.000	6.125	1.105	0.927	400	11.3	11.5	10.6	4032
LS1105030F04	408	4.030	4.000	6.125	1.105	0.927	410	11.4	11.7	10.7	4032
LS1/2/6 Inverted Dome – 1.5, 1.5, 3.0mm File Fit Performance Ring Set Included											
LS1314905I16	347	3.905	3.622	6.125	1.314	0.927	403	8.7	8.9	8.3	2618
LS1314908I16	348	3.908	3.622	6.125	1.314	0.927	404	8.8	8.9	8.3	2618
LS1105005i28	403	4.005	4.000	6.125	1.105	0.927	369	8.9	9.1	8.5	2618
LS1105030I28	408	4.030	4.000	6.125	1.105	0.927	374	9	9.2	8.6	2618
LS1105905I06	383	3.905	4.000	6.125	1.105	0.927	382	10.6	10.8	9.9	4032
LS1105908I06	384	3.908	4.000	6.125	1.105	0.927	384	10.6	10.8	10	4032
LS1105005I12	403	4.005	4.000	6.125	1.105	0.927	403	10.3	10.6	9.8	4032
LS1105010I12	404	4.010	4.000	6.125	1.105	0.927	403	10.4	10.6	9.8	4032
LS1105030I12	408	4.030	4.000	6.125	1.105	0.927	407	10.5	10.7	9.9	4032
LS7 Flat Top – .043, 1.5 Napier, 3.0mm Filte Fit Performance Rings Included											
LS7181125F03	427	4.125	4.000	6.067	1.181	0.927	454	12	12.2	11.2	4032
LS7181130F03	429	4.130	4.000	6.067	1.181	0.927	458	12	12.3	11.2	4032
LS7105125F03	427	4.125	4.000	6.125	1.105	0.927	385	12	12.2	11.2	4032
LS7105130F03	429	4.130	4.000	6.125	1.105	0.927	428	12	12.3	11.2	4032
LS7105135F03	430	4.135	4.000	6.125	1.105	0.927	430	12.1	12.4	11.3	4032
LS7 Inverted											
LS7105125I25	427	4.125	4.000	6.125	1.105	0.927	444	9.7	9.9	9.2	4032
LS7105130I25	429	4.130	4.000	6.125	1.105	0.927	448	9.8	10	9.3	4032

MAHLE

Driven by performance

Mahle LS Pistons (cont'd)

PART #		BORE	STROKE	ROD LENGTH	CH	Pin	Weight G	66cc	64cc	72cc	Alloy
LS3/L92 Flat Top – 1.5, 1.5, 3.0mm File Fit Performance Ring Set Included											
L92340065F04	376	4.065	3.622	6.098	1.340	0.945	445	—	10.1	—	4032
L92340070F04	377	4.070	3.622	6.098	1.340	0.945	448	—	10.1	—	4032
L92314030F04	370	4.030	3.622	6.125	1.314	0.927	449	—	10	—	4032
L92314065F04	376	4.065	3.622	6.125	1.314	0.927	460	—	10.1	—	4032
L92314070F04	377	4.070	3.622	6.125	1.314	0.927	462	—	10.1	—	4032
L92105005F04	403	4.005	4.000	6.125	1.105	0.927	416	—	10.8	—	4032
L92105030F04	408	4.030	4.000	6.125	1.105	0.927	425	—	10.9	—	4032
L92105065F04	415	4.065	4.000	6.125	1.105	0.927	430	—	11.1	—	4032
L92105070F04	416	4.070	4.000	6.125	1.105	0.927	431	—	11.1	—	4032
L92105075F04	417	4.075	4.000	6.125	1.105	0.927	431	—	11.2	—	4032
L92105125F04	428	4.125	4.000	6.125	1.105	0.927	438	—	11.3	—	4032
L92105155F04	434	4.155	4.000	6.125	1.105	0.927	440	—	11.4	—	4032
L92045070T08	427	4.070	4.100	6.125	1.045	0.927	417	—	11.1	—	2618
LS3/L92 Inverted Dome – 1.5, 1.5, 3.0mm File Fit Performance Ring Set Included											
L92314005I12	365	4.005	3.622	6.125	1.314	0.927	445	—	9.1	—	2618
L92314070I12	377	4.070	3.622	6.125	1.314	0.927	466	—	9.3	—	2618
L92105005I20	403	4.005	4.000	6.125	1.105	0.927	411	—	9.2	—	2618
L92105030I20	408	4.030	4.000	6.125	1.105	0.927	420	—	9.3	—	2618
L92105065I25	415	4.065	4.000	6.125	1.105	0.927	431	—	9.1	—	4032
L92105070I25	416	4.070	4.000	6.125	1.105	0.927	433	—	9.1	—	4032
L92105125I25	428	4.125	4.000	6.125	1.105	0.927	432	—	9.1	—	4032
L92105065P25	415	4.065	4.000	6.125	1.105	0.927	431	—	9.3	—	2618
L92105070P25	416	4.070	4.000	6.125	1.105	0.927	433	—	9.1	—	2618
L92105125P25	428	4.125	4.000	6.125	1.105	0.927	432	—	9.1	—	2618
L92055070I30	428	4.070	4.125	6.125	1.055	0.927	414	—	9.3	—	2618
L92055070I08	428	4.070	4.125	6.125	1.055	0.927	425	—	9	—	2618
L92055075I08	428	4.075	4.125	6.125	1.055	0.927	427	—	10.9	—	4032
L92045070P31	427	4.070	4.100	6.125	1.045	0.927	412	—	10.9	—	4032
LSX Combo Flat Top – .043, 1.5 Napier, 3.0mm Filte Fit Performance Rings Included											
LSX045125F08	438	4.125	4.100	6.125	1.045	0.927	450	—	10.8	—	4032
LSX045130F08	439	4.130	4.100	6.125	1.045	0.927	453	—	10.9	—	4032



Mahle LS7 Piston



Mahle LS1 Piston

CHEVROLET LS ENGINE

PART #	ROD	C/H	PIN	DISH/DOME	CR 67cc	GRAM WEIGHT	TOP LAND	VALVE-RLF DEPTH-DIA. INT	EXH	BORE	STROKE	O.E. Deck Ht.	ALLOY	LOCKRING
CHEVROLET 366-LS V8 DISH-2V														
IC961 / KTD	6.125	1.202	.927 x 2.225	DISH 8cc	9.9	405/105	.250	.182-2.200	.180-1.720	3.898	3.825	9.240	2618	PRJ100-3
CHEVROLET 383-LS V8 DISH-2V														
IC962 / KTD	6.125	1.115	.927 x 2.225	DISH 12cc	9.9	405/105	.260	.182-2.200	.180-1.720	3.9050	4.000	9.240	2618	PRJ100-3

Notes: Centered Pin. **OVERSIZES:** .007 **RING PACK:** 2-1.5mm / 1-3.0mm **RINGSET PART NO:** 3898CD8-.010

PART #	ROD	C/H	PIN	DISH/DOME	CR 64cc	66cc	72cc	GRAM WEIGHT	TOP LAND	VALVE-RLF DEPTH-DIA. INT	EXH	BORE	STROKE	O.E. Deck Ht.	ALLOY	LOCKRING
CHEVROLET 402–LS V8 STEP-DISH-2V																
IC901 / KTD	6.125	1.115	.927 x 2.225	S-DISH 29cc	9.3	9.1	8.7	380/105	.250	.240-2.200	.239-1.720	4.002	4.000	9.240	2618	PRJ100-3
CHEVROLET 402–LS V8 FLAT TOP-2V																
IC900 / KTD	6.125	1.115	.927 x 2.225	FT/2V 3cc	12.1	11.8	11.0	366/105	.180	.181-2.200	.182-1.720	4.002	4.000	9.240	2618	PRJ100-3

Notes: Centered Pin. Check For Proper Rod To Piston Clearance. **OVERSIZES:** .003 / .020 / .030 **RING PACK:** 2-1/16 / 1-3/16 **RINGSET PART NO:** 4000BD8

PART #	ROD	C/H	PIN	DISH/DOME	CR 64cc	66cc	72cc	GRAM WEIGHT	TOP LAND	VALVE-RLF DEPTH-DIA. INT	EXH	BORE	STROKE	O.E. Deck Ht.	ALLOY	LOCKRING
CHEVROLET 402–LS V8 FLAT TOP-2V																
IC975 / KTD	6.125	1.115	.927 x 2.225	FT/2V 4.1cc	11.9	11.9	10.6	367/105	.240	.236-2.270	.163-1.720	4.000	4.000	9.240	2618	PRJ100-3

Notes: Centered Pin. Check For Proper Rod To Piston Clearance. **OVERSIZES:** .005 / .030 / .065 / .080 **RING PACK:** 2-1.5mm / 1-3.0mm **RINGSET PART NO:** 4000CD8

PART #	ROD	C/H	PIN	DISH/DOME	CR 64cc	66cc	72cc	GRAM WEIGHT	TOP LAND	VALVE-RLF DEPTH-DIA. INT	EXH	BORE	STROKE	O.E. Deck Ht.	ALLOY	LOCKRING
CHEVROLET 428–LS V8 STEP-DISH-2V																
IC903 / KTD	6.125	1.115	.927 x 2.225	S-DISH 29cc	9.7	9.6	9.1	405/105	.250	.240-2.200	.239-1.720	4.125	4.000	9.240	2618	PRJ100-3
CHEVROLET 428–LS V8 FLAT TOP-2V																
IC902 / KTD	6.125	1.115	.927 x 2.225	FT/2V 3cc	12.7	12.4	11.6	383/105	.180	.181-2.200	.182-1.720	4.125	4.000	9.240	2618	PRJ100-3

Notes: Centered Pin. Check For Proper Rod To Piston Clearance. **OVERSIZES:** .003 / .020 / .030 **RING PACK:** 2-1/16 / 1-3/16 **RINGSET PART NO:** 4125BD8



KING PERFORMANCE BEARINGS



PART #	DESCRIPTION
CR807XPN	LS Connecting Rod Bearings XP Series
MB5013XP	LS Main Bearings XP Series
CS5503HP	LS Cam Bearings HP Series
CS5510HP	LS Cam Bearing HP Series

CLEVITE PERFORMANCE BEARINGS

PART #	DESCRIPTION
CB663HN	LS Connecting Rod Bearings H-Series
MS2188H	LS Main Bearings H-Series

DURA-BOND PERFORMANCE CAM BEARINGS

PART #	DESCRIPTION
CHP10	LS '99-'03, Bi-Metal Cam Bearings, Chill-Cast Micro Babbitt
CHP10T	LS '99-'03, Bi-Metal Cam Bearings, Chill-Cast Micro Babbitt
CHP23	LS 03'-'07, Bi-Metal Cam Bearings, Chill-Cast Micro Babbitt
CHP23T	LS 03'-'07, Bi-Metal Cam Bearings, Chill-Cast Micro Babbitt, Coated
CHP25	LS 08'-'13, Bi-Metal Cam Bearings
CHP25T	LS 08'-13', Bi-Metal Cam Bearings

DAMPERS

PART #	DESCRIPTION
D-80032	LS1 Camaro, Scat
D-80033	LS1/6 Corvette, Scat
D-90032	LS1 Camaro, Scat, SFI Approved
D-90033	LS1/6 Corvette, Scat, SFI Approved
80032	LS1/2 Camaro-Firebird, Professional Products
80033	LS1/6 Corvette, Professional Products
90032	LS1/2 Camaro-Firebird, Professional Products, SFI Approved
90033	LS1/6 Corvette, Professional Products, SFI Approved







Chevy LS Series Forged 4340

STANDARD WEIGHT CRANKSHAFT

PART #	SHORT #	FLYWHEEL BOLT	STROKE	ROD LENGTH	ROD PIN	WEIGHT	TECH NOTES
4-LS1-4000-6125-24	4LS140062	11mm X 1.5	4.000	6.125	2.100	48	24-Tooth Relcutor Wheel
4-LS1-4000-6125-58	4LS140065	11mm X 1.5	4.000	6.125	2.100	48	58-Tooth Relcutor Wheel
4-LS1-4125-6125-24	4LS141262	7/16 X 20*	4.125	6.125	2.100	48	24-Tooth Relcutor Wheel
4-LS1-4125-6125-58	4LS141265	7/16 X 20*	4.125	6.125	2.100	48	58-Tooth Relcutor Wheel
4-LS1-4250-6125-24	4LS142562	7/16 X 20*	4.250	6.125	2.100	48	24-Tooth Relcutor Wheel
4-LS1-4250-6125-58	4LS142565	7/16 X 20*	4.250	6.125	2.100	48	58-Tooth Relcutor Wheel

* ARP Bolts Included

Chevy LS Series

H-BEAM & I-BEAM CONNECTING RODS

FORGED 4340 H-BEAM CONNECTING RODS										
PART #	SHORT #	DDESCRIPTION	PART #	SHORT #	ROD LENGTH	CRANK PIN	WRIST PIN	B.E. WIDTH	WEIGHT (*)
2-LS1-6100-2100-927	66100927	BUSHED	2-LS1-6100-2100-927A	6100927A	6.100	2.100	.927	.940	—
2-LS1-6100-2100-945	66100945	BUSHED	2-LS1-6100-2100-945A	6100945A	6.100	2.100	.945	.940	—
2-350-6125-2100-QLS	6612521QLS	BUSHED	2-350-6125-2100-QLSA	6612521QLSA	6.125	2.100	.927	.940	530 GMS

NOTE: .927 Pin for Performance Pistons

FORGED 4340 PRO COMP I-BEAM									
PART #	SHORT #	DDESCRIPTION	PART #	SHORT #	ROD LENGTH	CRANK PIN	WRIST PIN	B.E. WIDTH	WEIGHT (*)
Stroker PRO Comp									
2-ICR6125-7/16	26125716	BUSHED	2-ICR6125-7/16A	26125716A	6.125	2.100	.927	.940	610 GMS
Stock Replacement									
2-ICR6100-927	26100927	BUSHED	2-ICR6100-927A	26100927A	6.100	2.100	.927	.940	595 GMS
2-ICR6100-944P	26100944P	PRESSED	2-ICR6100-944PA	26100944PA	6.100	2.100	.944	.940	600 GMS

>>With ARP8740 **>> ARP 2000 7/16 Cap Screws**

NOTE: .927 Pin for Performance Pistons



Chevy LS Series

ROTATING ASSEMBLIES

LS SERIES 4340 FORGED STREET & STRIP ROTATING ASSEMBLIES

CRANK	ROD	CRANK STROKE	ROD LENGTH	PISTON	PISTON BORE	TYPE	COMPRESSION	UNBAL'D CRANK, ROD, PISTONS, RINGS, BEARINGS	BALANCED COMPLETED ASSY
Internal Balanced Rotating Assemblies – 24 Tooth Relucto Wheel (2005 & Prior)									
4-LS1-4000-6125-24	2-ICR6125-7/16	4.000	6.125	FORGED	NOTE 1	FLAT	11.5	1-41900	1-41900BI
4-LS1-4000-6125-24	2-ICR6125-7/16	4.000	6.125	FORGED	NOTE 1	DISH	9.3	1-41901	1-41901BI
4-LS1-4125-6125-24	2-ICR6125-7/16	4.125	6.125	FORGED	NOTE 1	FLAT	11.5	1-41920	1-41920BI
4-LS1-4125-6125-24	2-ICR6125-7/16	4.125	6.125	FORGED	NOTE 1	DISH	9.3	1-41921	1-41921BI
Internal Balanced Rotating Assemblies – 58 Tooth Reluctor Wheel									
4-LS1-4000-6125-58	2-ICR6125-7/16	4.000	6.125	FORGED	NOTE 1	FLAT	11.5	1-41910	1-41910BI
4-LS1-4000-6125-58	2-ICR6125-7/16	4.000	6.125	FORGED	NOTE 1	DISH	9.3	1-41911	1-41911BI
4-LS1-4125-6125-58	2-ICR6125-7/16	4.125	6.125	FORGED	NOTE 1	FLAT	11.5	1-41930	1-41930BI
4-LS1-4125-6125-58	2-ICR6125-7/16	4.125	6.125	FORGED	NOTE 1	DISH	9.3	1-41931	1-41931BI

LS Series, 4340 Standard Weight Forged Cranks, Pro-Comp I-Beam Connecting Rods with 7/16 Cap Screw, Forged Pistons

LS SERIES 4340 FORGED COMPETITION ROTATING ASSEMBLIES

CRANK	ROD	CRANK STROKE	ROD LENGTH	PISTON	PISTON BORE	TYPE	COMPRESSION	UNBAL'D CRANK, ROD, PISTONS, RINGS, BEARINGS	BALANCED COMPLETED ASSY
Internal Balanced Rotating Assemblies – 24 Tooth Reluctor Wheel (2005 & Prior)									
4-LS1-4000-6125-24	2-350-6125-2100-QLS	4.000	6.125	PREMIUM FORGED	NOTE 1	FLAT	11.5	1-41902	1-41902BI
4-LS1-4000-6125-24	2-350-6125-2100-QLS	4.000	6.125	PREMIUM FORGED	NOTE 1	DISH	9.3	1-41903	1-41903BI
4-LS1-4125-6125-24	2-350-6125-2100-QLS	4.125	6.125	PREMIUM FORGED	NOTE 1	FLAT	11.5	1-41922	1-41922BI
4-LS1-4125-6125-24	2-350-6125-2100-QLS	4.125	6.125	PREMIUM FORGED	NOTE 1	DISH	9.3	1-41923	1-41923BI
Internal Balanced Rotating Assemblies – 58 Tooth Reluctor Wheel									
4-LS1-4000-6125-58	2-350-6125-2100-QLS	4.000	6.125	PREMIUM FORGED	NOTE 1	FLAT	11.5	1-41912	1-41912BI
4-LS1-4000-6125-58	2-350-6125-2100-QLS	4.000	6.125	PREMIUM FORGED	NOTE 1	DISH	9.3	1-41913	1-41913BI
4-LS1-4125-6125-58	2-350-6125-2100-QLS	4.125	6.125	PREMIUM FORGED	NOTE 1	FLAT	11.5	1-41932	1-41932BI
4-LS1-4125-6125-58	2-350-6125-2100-QLS	4.125	6.125	PREMIUM FORGED	NOTE 1	DISH	9.3	1-41933	1-41933BI

LS Series, 4340 Standard Weight Forged Cranks, H-Beam Connecting Rods with 7/16 Cap Screw, Forged Pistons

CALLIES

Callies Crankshafts

PART #	STROKE	MAIN	PINS	DESCRIPTION
Callies Compstar LS1 – Compstar LS1's are Counterweight Prepped for 1785 Bobweight				
AP031N-CS	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
APZ317-CS	4.100	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
APU317-CS	4.125	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering

The Following Part numbers are for an Extended Snout LS7 Type Assembly

AW031N-CS	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
AWU317-CS	4.125	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
Compstar Small Block LSc – Compstar LSc Counter Weights are Adequate for 1680 Bobweight				
AP#31R-CL	3.825	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
AP031R-CL	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
Callies Magnum – Magnum Cranks are Counterweight Prepped for 1785 Bobweight				
AP031T-MG	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
APZ31T-MG	4.100	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
APU31T-MG	4.125	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering



The Following Numbers are for LS7 Extended Snout Magnum Crank

AW031T-MG	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
DragonSlayer – Dragonslayer LS1's are counterweight prepped for 1785 Bobweight				
APH31T-DS	3.625	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
AP031T-DS	4.000	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
AP034T-DS	4.000	2.559	2.000	Specify 24 or 58 tooth reluctor wheel when ordering
APZ31T-DS	4.100	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering
APU31T-DS	4.125	2.559	2.100	Specify 24 or 58 tooth reluctor wheel when ordering



Callies Connecting Rods

PART #		LENGTH	CRANK PIN	WEIGHT	PISTON PIN
Compstar LS-1 H-Beam					
CSC6100DS2A2AH	LS1	6.100	2.100	611g	0.927
CSC6100DS6A2AH	LS1	6.100	2.100	612g	0.943
CSC6125CS2A2AH	LS1	6.125	2.000	595g	0.927
CSC6125DS2A2AH	LS1	6.125	2.100	618g	0.927
CSC6200DS2A2AH	LS1	6.200	2.100	625g	0.927
CSC6340CS2A2AH	LSX	6.340	2.000	630g	0.927
CSC6440CS2A2AH	LSX	6.440	2.000	639g	0.927
CSC6460DS2A2AH	LSX	6.460	2.100	647g	0.927
CSC6560DS2A2AH	LSX	6.560	2.100	655g	0.927
Compstar LS1 HD I Beam					
CSC6125CS2A2AH	LS1	6.125	2.000	640g	0.927
CSC6125DS2A2AI	LS1	6.125	2.100	647g	0.927
Callies Ultra LS I Beams EXTREME DUTY RACING Increased Stroker Clearance					
U17171	LS1	6.125	2.100	663g	0.927
U17178	LS1	6.350	2.100	673g	0.927
Callies Ultra LS H Beams EXTREME DUTY RACING Increased Stroker Clearance					
U16300	LS1	6.125	2.100	651g	0.927
U16301	LS1	6.460	2.100	661g	0.927
U16302	LS1	6.350	2.100	660g	0.927









LS NEXT

LS NEXT BLOCK



The LS Next Block is the first Significant Change in the bottom end Architecture of the LS engine platform. By eliminating the “Y Block” design and utilizing conventional style main caps and oil pans.(stock pans can be used with Moroso oil pan spacers Part# 22934) Dart has addressed the problems resulting from the LS engine’s seperated crankcase bays. Windage is greatly reduced, resulting in increased power and improved lubrication.

This design change led to several additional improvements. The main webs are significantly stronger because the bay to bay breathing windows are eliminated in Dart’s design. Deleting the windows also allows the cylinder barrels to be extended by .3750” into the crank case, provicing greater piston support at the bottom of the stroke. Two standard bore sizes are available, 4.00” and 4.125”. Maximum bore of 4.220” for iron and 4.165” for aluminum, or optional Darton M.I.D. sleeve kit allowing up to 4.220” bore.

All stock and aftermarket LS components can be utilized. Conventional style 4 bolt steel main caps are used. A 5/8” thick full deck design is utilized for superior strength, with six head bolts per cylinder to provide secure clamping. Dart’s priority main oiling system ensures high rpm reliability and includes provision for oil restrictors in the lifter valley.

LS NEXT Iron

PART #	MAIN BEARING	MAIN CAPS	DECK HEIGHT	BORE DIA.
31837111	STANDARD	STEEL	9.24	4
31837211	STANDARD	STEEL	9.24	4.125
31837211	STANDARD	STEEL	9.45	4.125

LS NEXT Aluminum

PART #	MAIN BEARING	MAIN CAPS	DECK HEIGHT	BORE DIA.
31937111	STANDARD	STEEL	9.24	4
31937112	STANDARD	STEEL	9.24	4
31937142	STANDARD	STEEL	9.8	4
31937211	STANDARD	STEEL	9.24	4.125
31937212	STANDARD	STEEL	9.24	4.125
31937242	STANDARD	STEEL	9.8	4.125
32000016	Dart LS Next Hardware Kit			

RHS RACING HEAD SERVICE

LS ALUMINUM RACE BLOCKS





LS RACE BLOCK APPLICATIONS

PART #	DECK HEIGHT	BORE DIA.	Cylinder Sleeve Length
FINISH HONED			
54906	Standard (9.240)	3.900	5.87
54903	Standard (9.240)	4.125	5.87
54902	Standard (9.240)	4.165	5.87
54901	Tall (9.750)	4.125	6.38
54900	Tall (9.750)	4.165	6.38
BORED, READY TO HONE			
54906U	Standard (9.240)	3.895	5.87
54903U	Standard (9.250)	4.120	5.87
54902U	Standard (9.250)	4.160	5.87
54901U	Tall (9.760)	4.120	6.38
54900U	Tall (9.760)	4.160	6.38
UNFINISHED			
54905	Standard (9.250)	4.100	5.87
54904	Tall (9.760)	4.100	6.38

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MOROSO OIL PANS





PART #	DESCRIPTION
21150	Fits: Late Model F-Body, Firebird, 93'-02' Camaro Includes Tray and Pickup Trap Door Baffle Clears 4.125" Stroke Louvered Windage Tray
20144	Fits: Dart LS Next Engine Block Includes Billet Aluminum Spacers w/ Hardware Trap Door Baffle and Removable Windage Tray Clear 4.125" Stroke Requires Stock GM LS Gasket

HOLLY RETRO-FIT OIL PANS



PART #	DESCRIPTION
302-2	Fits: 1955-87 GM Truck/Cars For LS engine requiring more oil pan to chassis clearance around the front half of the oil pan. Cannot handle more than a 3.622" stroke.
302-1	Fits: 1955-87 GM Truck/Car Provides OEM fitment Includes sump baffle, pick-up, sump plug, oil filter stud & oil passage cover

PERFORMANCE

CHEVY PERFORMANCE OIL PANS





PART #	DESCRIPTION
19243065	LS Circle Track Oil Pan, 6 Quart, Req Remote Oil Filter
19212593	Muscle Car Oil Pan Kit, 55'-95', 3.620" Max Stroke

FASTENERS

INTAKE MANIFOLD BOLT KIT

PART #	DESCRIPTION
130-2101 Stainless: 430-2101	LS1/4/6 12pt Intake Manifold Bolt Kit
130-2001 Stainless: 430-2001	LS1/4/6 Hex Intake Manifold Bolt Kit

ENGINE COMPONENT BOLTS

PART #	DESCRIPTION
134-1002	LS Cam Bolt Kit
134-1003	LS Hex Cam Sprocket Bolt Kit
234-2504	LS7 Harmonic Balancer Bolt Kit
234-2503	LS Harmonic Balancer Bolt Kit

ACCESSORY BOLT KIT

PART #	DESCRIPTION
534-9705 Stainless: 534-9505	LS 12pt Engine & Accessory Bolt Kit
534-9805 Stainless: 534-9605	LS Hex Engine & Accessory Bolt Kit

DRIVELINE

PART #	DESCRIPTION
244-2901	LS Flexplate Bolt Kit
244-2902	Ls Flexplate w/ Adapter Plate Bolt Kit
330-2802	LS1 Flywheel Bolt Kit
134-2201	LS Pressure Plate Bolt Kit
134-2203	LS 12" Clutch Pressure Plate Bolt Kit
434-0901	LS Hex Bellhousing Bolt Kit
434-0902	LS 12pt Bellhousing Bolt Kit

FASTENERS

ROD BOLT KITS

PART #	DESCRIPTION
134-6006	LS1 Hi-Perf Cracked Rod Bolt Kit
234-6301	LS1 Cracked Rod Bolt Kit
234-6302	LS7 Rod Bolt Kit

CYLINDER HEAD KITS

PART #	DESCRIPTION
134-3609	LS1/6 Hex Head Bolt Kit
134-3610	LS6 12pt Head Bolt Kit
234-4110	LS1 Pro-Series Hex Head Stud Kit
234-4316	LS1 Thru ’03 12pt Head Stud Kit
234-4319	LSX 12pt Head Stud Kit
230-3701	LS9 12pt Head Bolt Kit
134-3611	LS World Motown Block w/ LS Heads, Head Bolt Kit
234-4339	LS RHS Block w/ RHS Heads, Head Stud Kit
234-4341	Dart LS Next 23-Bolt Head Stud Kit

BLOCK FASTENERS

PART #	DESCRIPTION
234-5608	LS1 Cast Iron Main Stud Kit
134-5901	Dart LS Next Main Stud Kit
134-1501 Stainless: 434-1501	LS1/2 Hex Timing Cover Bolt Kit
134-1502 Stainless: 434-1502	LS1/2 12pt Timing Cover Bolt Kit
134-3201 Stainless: 434-3201	LS1/2 Hex Timing Cover & Water Pump Bolt Kit
134-3202 Stainless: 434-3202	LS1/2 12pt Timing Cover & Water Pump Bolt Kit
134-6901 Stainless: 434-6901	LS1/2 Hex Oil Pan Bolt Kit
134-6902 Stainless: 434-6902	LS1/2 12pt Oil Pan Bolt Kit
134-1503 Stainless: 434-1503	LS1/2 Hex Rear Cover Bolt Kit
134-1504 Stainless: 434-1504	LS1/2 12pt Rear Cover Bolt Kit

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Anchor-Tight® Locking Flexible Engine Dipsticks



- Locking mechanism eliminates expulsion of dipstick handle under pressure
- Holds vacuum
- Teflon-lined stainless braided outer housing
- E-Z to read flexible inner dipstick measuring cable

PART #	DESCRIPTION
1220217	LS Series, 99' & Later Truck

PERFORMANCE OIL PUMPS



PART #	DESCRIPTION
17801830	LS1/2/ HV Oil Pump, Chevy Performance, w/ Pick-up
1263097	LS7/L92 2-Stage Oil Pump, Chevy Performance, For Performance Crank
22120	LS1/2/ HV Oil Pump, Moroso, Hard Anodized Coating
10296	LS1/2 HV Oil Pump, Melling
10295	LS1/2 High-Pressure, Melling

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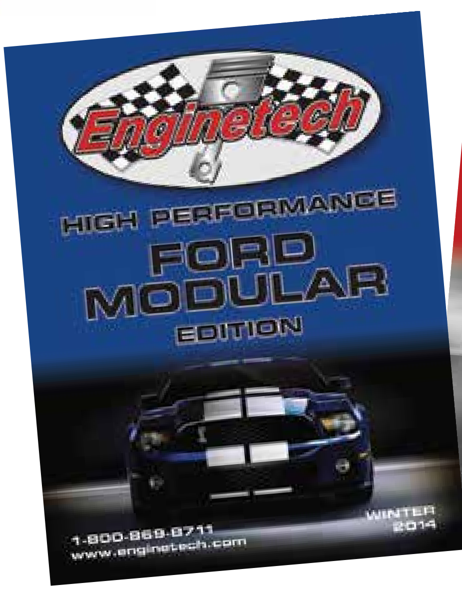
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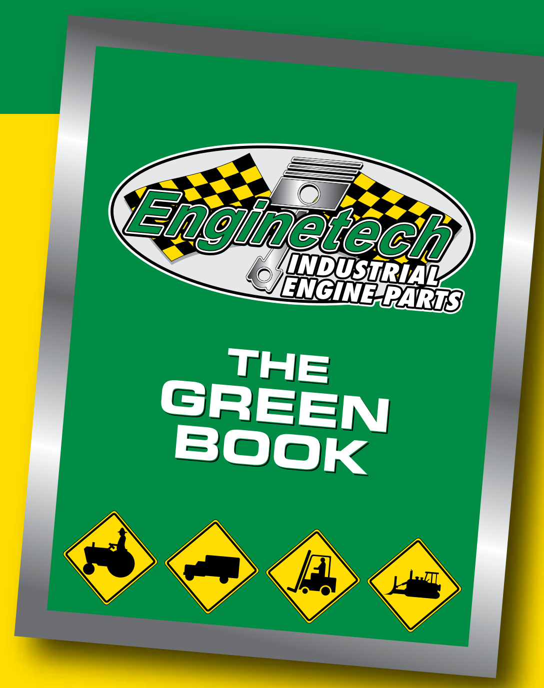
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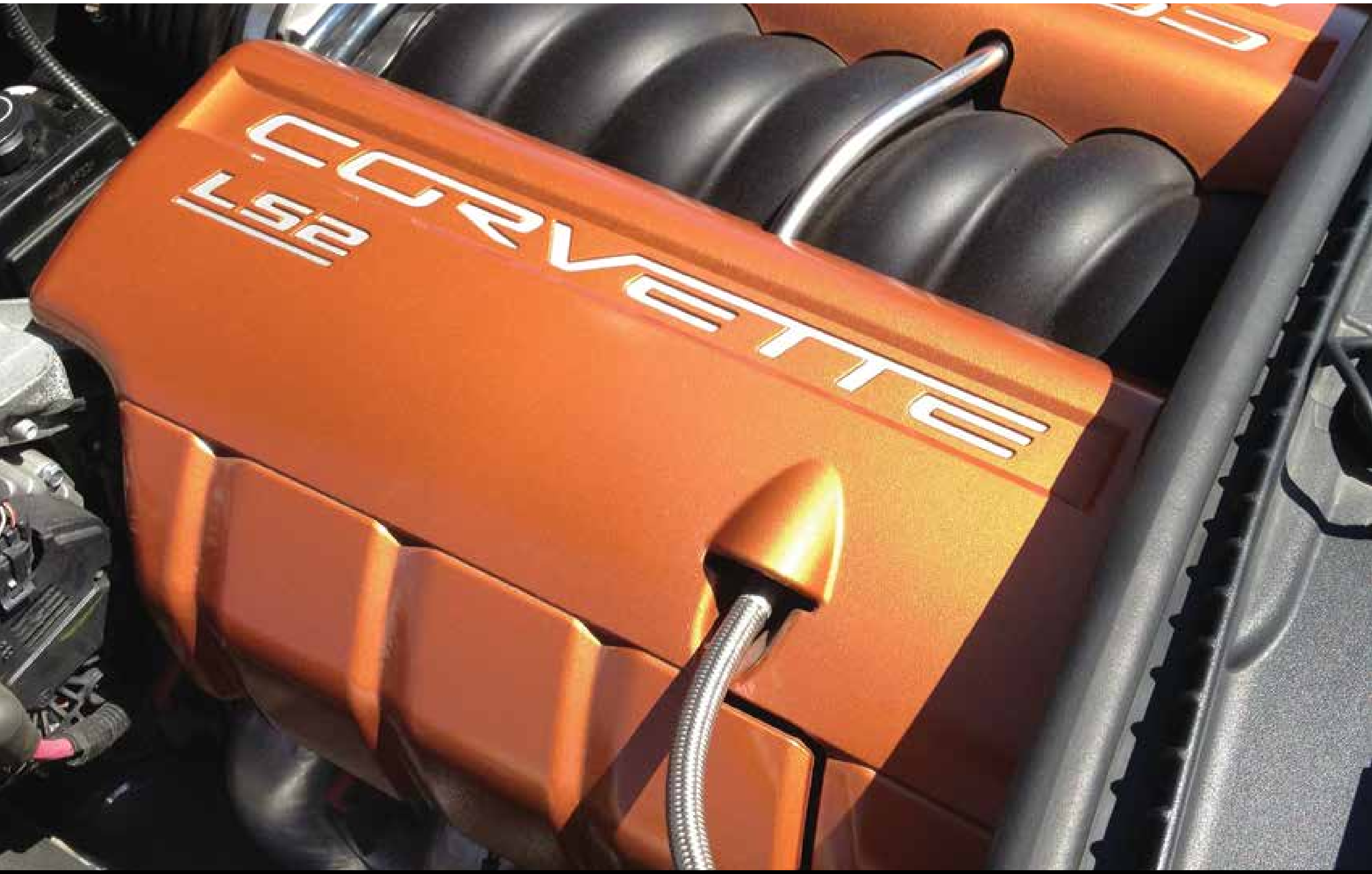


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